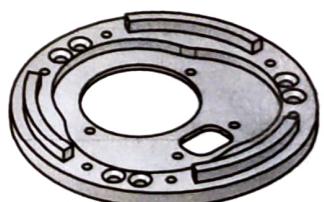
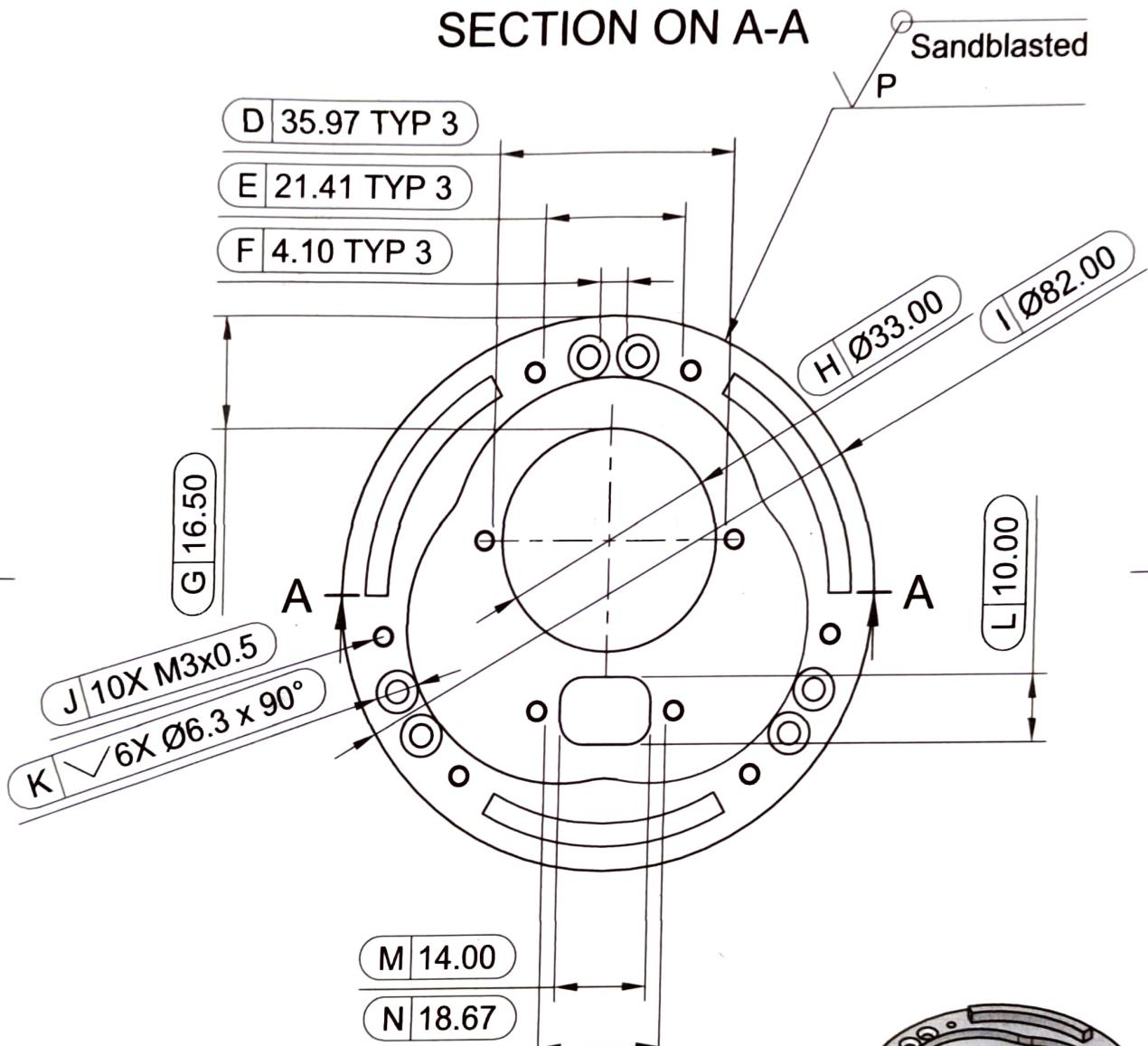


### SECTION ON A-A



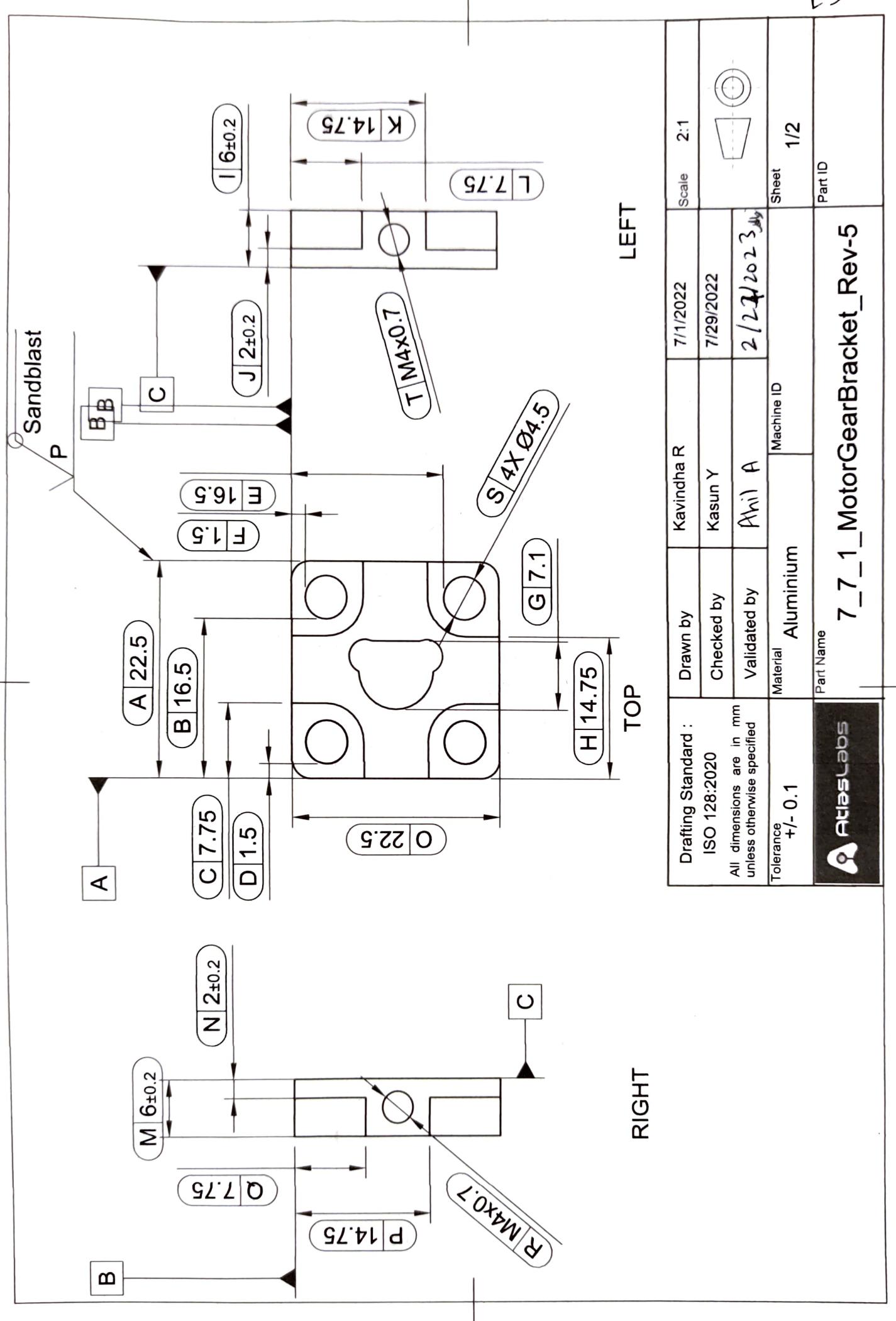
Drafting Standard : ISO 128:2020	Drawn by Kasun Y	6/30/2022	Scale 1:2
All dimensions are in mm unless otherwise specified	Checked by Kavindha R	6/30/2022	
	Validated by Ahil A	20/2/2023	
Tolerance +/- 0.1	Material ALUMINIUM	Machine ID	Sheet 1/2
AtlasLabs	Part Name 7_5_2_BearingLowerBracket_Rev-6	Part ID	

DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	7.93	-0.07	PASS
B	4.44	-0.06	PASS
C	1.45	-0.05	PASS
D	36.11	+0.14	PASS
E	21.47	+0.06	PASS
F	4.19	+0.09	PASS
G	16.55	+0.05	PASS
H	32.98	-0.02	PASS
I	82.07	+0.07	PASS
J	M3 x 0.5	-	PASS
K	M3 Countersunk	-	PASS
L	9.95	-0.05	PASS
M	14.03	+0.03	PASS
N	18.71	+0.04	PASS
-			
-			
-			
-			
-			
-			
-			

Comments:

Designer Approval tolerances

De-burred	PASS	Tapped	PASS	Surface Finish	PASS
Drilled	PASS	Countersunk/bored	PASS	Mass	39.128 g
Drafting Standard : ISO 128:2020	Drawn by	Kasun Y	6/30/2022	Scale	1:2
All dimensions are in mm unless otherwise specified	Checked by	Kavindha R	6/30/2022		
	Validated by	Ahil A	20/2/2023		
Tolerance +/-0.1	Material	ALUMNIUM	Machine ID	Sheet	2/2
AtlasLabs	Part Name	7_5_2_BearingLowerBracket_Rev-6	Part ID		



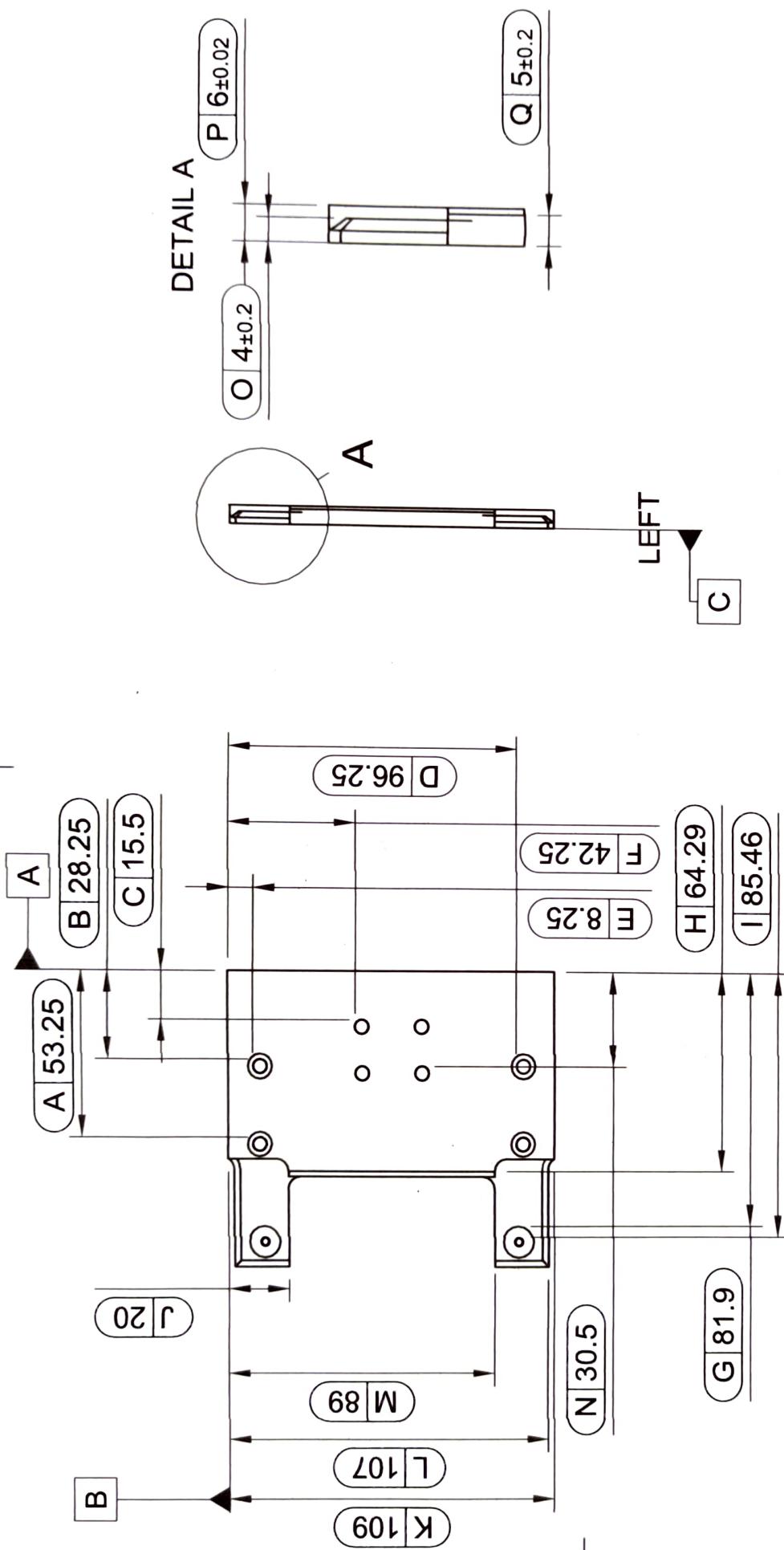
Drafting Standard : ISO 128:2020	Drawn by Kavindha R	7/1/2022	Scale 2:1
Dimensions are in mm unless otherwise specified	Checked by Kasun Y	7/29/2022	
	Validated by Anil A	2/24/2023	
Tolerance $\pm 0.1$	Material Aluminium	Machine ID	Sheet 1/2
	Part Name AtlassLab	Part ID	7_7_1_MotorGearBracket_Rev-5

DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	22.55	+0.05	PASS
B	16.52	+0.02	PASS
C	7.79	+0.04	PASS
D	1.51	+0.01	PASS
E	16.50	+/- 0.00	PASS
F	1.48	-0.02	PASS
G	7.10	+/- 0.00	PASS
H	14.77	+0.02	PASS
I	5.95	-0.05	PASS
J	1.94	-0.06	PASS
K	<del>17.76</del> 14.73	-0.02	PASS
L	7.76	+0.01	PASS
M	5.89	-0.11	PASS
N	1.91	-0.09	PASS
O	22.49	-0.01	PASS
P	14.73	-0.02	PASS
Q	7.77	+0.02	PASS
R	M4 x 0.7	-	PASS
S	4.38	-0.02	PASS
T	M4 x 0.7	-	PASS
-			

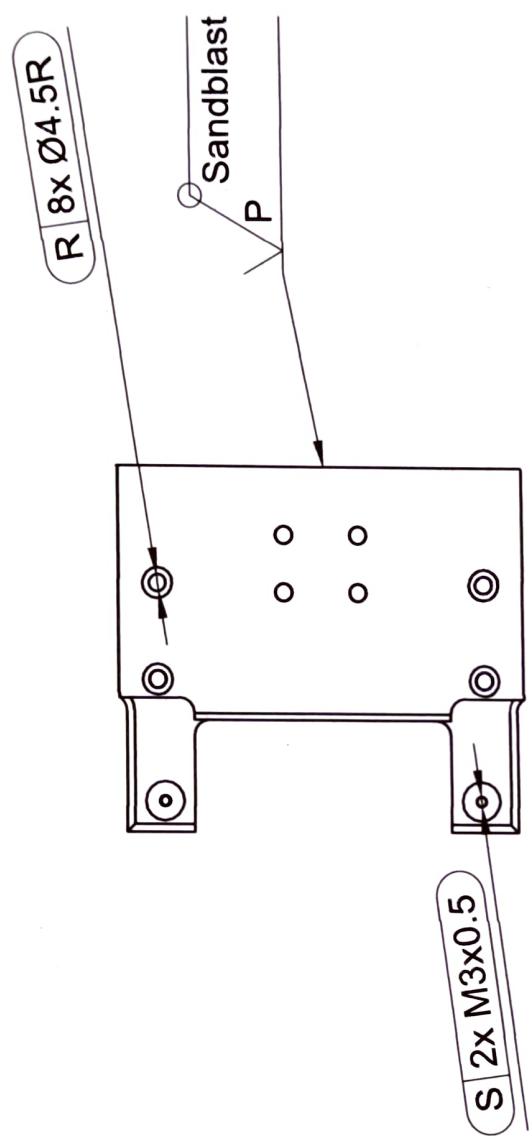
Comments:

Designer approved dimensions out of tolerance.

De-burred	PASS	Tapped	PASS	Surface Finish	PASS
Drilled	PASS	Countersunk/bored	N/A	Mass	4.131g
Drafting Standard : ISO 128:2020	Drawn by	Kavindha R	7/1/2022	Scale	2:1
All dimensions are in mm unless otherwise specified	Checked by	Kasun Y	7/29/2022		
	Validated by	Ahnil A	2/24/2022		
Tolerance +/- 0.1	Material	Aluminium	Machine ID	Sheet	2/2
AtlasLabs	Part Name	7_7_1_MotorGearBracket_Rev-5			Part ID



Drafting Standard : ISO 128:2020	Drawn by Kavindha R	Checked by Kasun Y	Validated by Ibraheem R	6/29/2022	7/29/2022	Scale 1:2
All dimensions are in mm unless otherwise specified						
Tolerance +/- 0.1	Material Aluminium	Machine ID				
	Part Name 7_2_8_UncappingMountingPlate_Rev_5	Part ID				

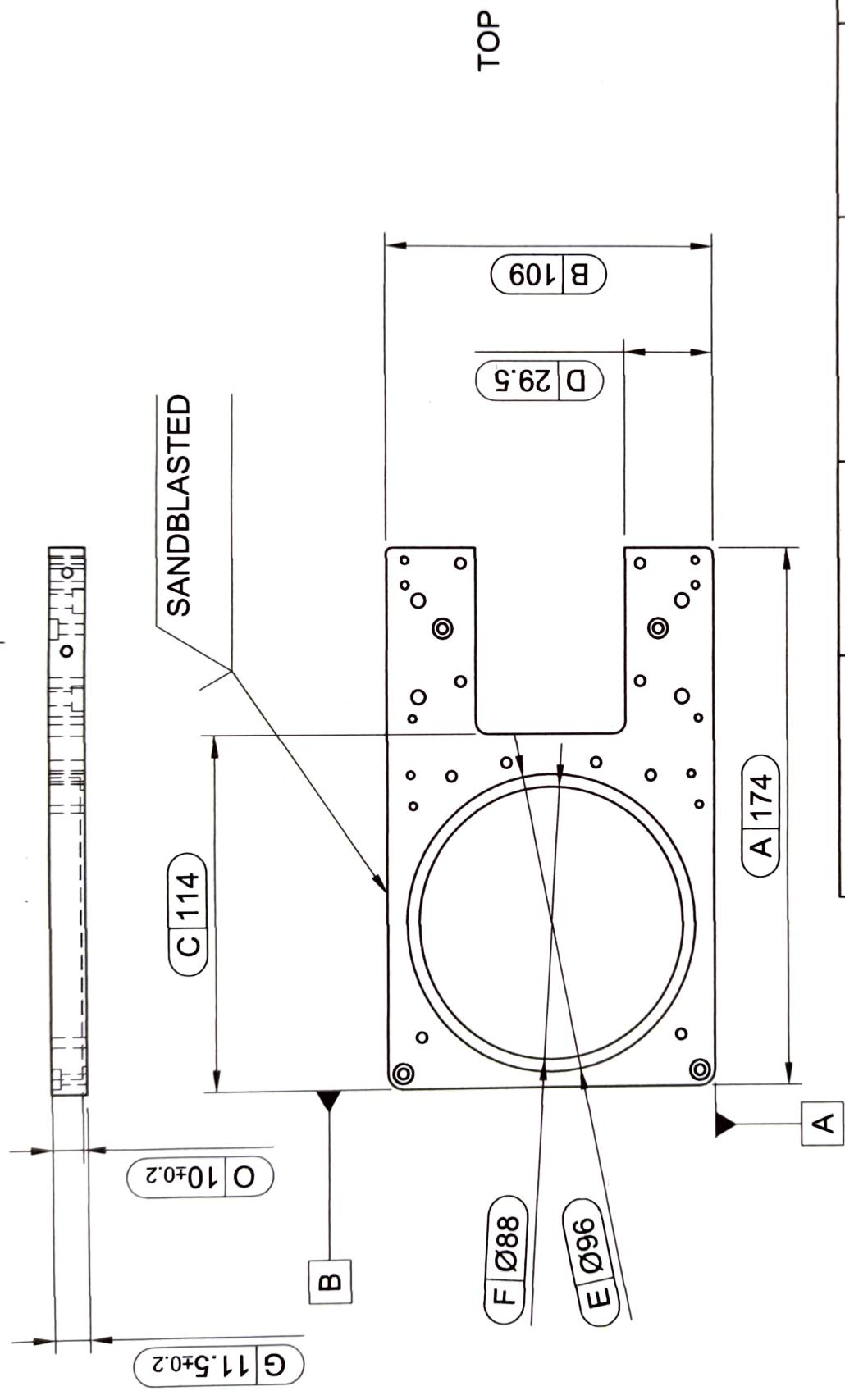


Drafting Standard : ISO 128:2020	Drawn by Kavindha R	6/29/2022	Scale 1:2
All dimensions are in mm unless otherwise specified	Checked by Kasun Y	7/29/2022	
	Validated by Ibraheem R	24/07/2023	
Tolerance +/- 0.1	Material Aluminium	Machine ID	Sheet 2/3
	Part Name AtlasLabs		Part ID 7_2_8_UncappingMountingPlate_Rev_5

DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	53.32	+0.07	PASS
B	28.30	+0.05	PASS
C	16.53	+0.03	PASS
D	96.31	+0.06	PASS
E	8.32	+0.07	PASS
F	42.31	+0.06	PASS
G	81.94	+0.04	PASS
H	64.29	0	PASS
I	85.71	+0.25	PASS
J	19.95	-0.05	PASS
K	109.04	+0.04	PASS
L	107.03	+0.03	PASS
M	88.99	-0.01	PASS
N	30.53	+0.03	PASS
O	3.98	-0.02	PASS
P	6.03	+0.03	PASS
Q	5.01	+0.01	PASS
R	4.46	-0.04	PASS
S	M 3x0.5	-	PASS

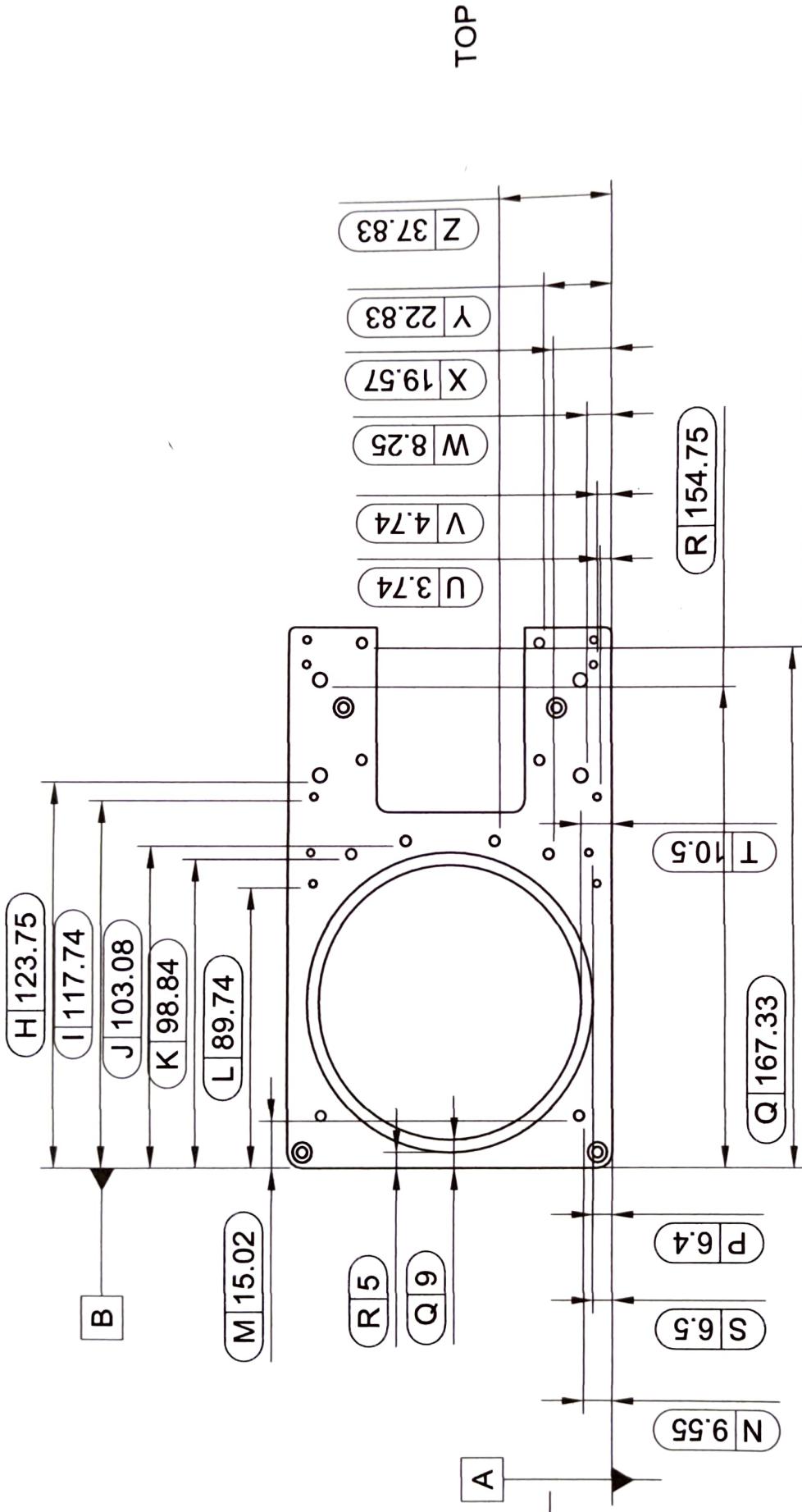
Comments: Dimension I out of tolerance. Not critical

De-burred <b>PASS</b>	Tapped <b>PASS</b>	Surface Finish <b>PASS</b>
Drilled <b>PASS</b>	Countersunk/bored <b>PASS</b>	Mass 132.13g
Drafting Standard : ISO 128:2020	Drawn by Kavindha R	6/29/2022
All dimensions are in mm unless otherwise specified	Checked by Kasun Y	7/29/2022
	Validated by Ibraheem R	2/24/2023
Tolerance +/- 0.1	Material Aluminium	Scale 1:2
	Machine ID	Sheet 3/3
AtlasLabs	Part Name 7_2_8_UncappingMountingPlate_Rev_5	Part ID



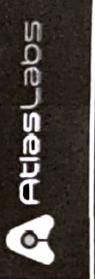
Drafting Standard : ISO 128:2020	Drawn by Asad	Checked by Hirushan P	Validated by Ahil A	Material Aluminium	Machine ID	Scale 1:2
All dimensions are in mm unless otherwise specified						
Tolerance +/-0.15						
	Part Name AtlasLab	Sheet 1/6	Part ID			

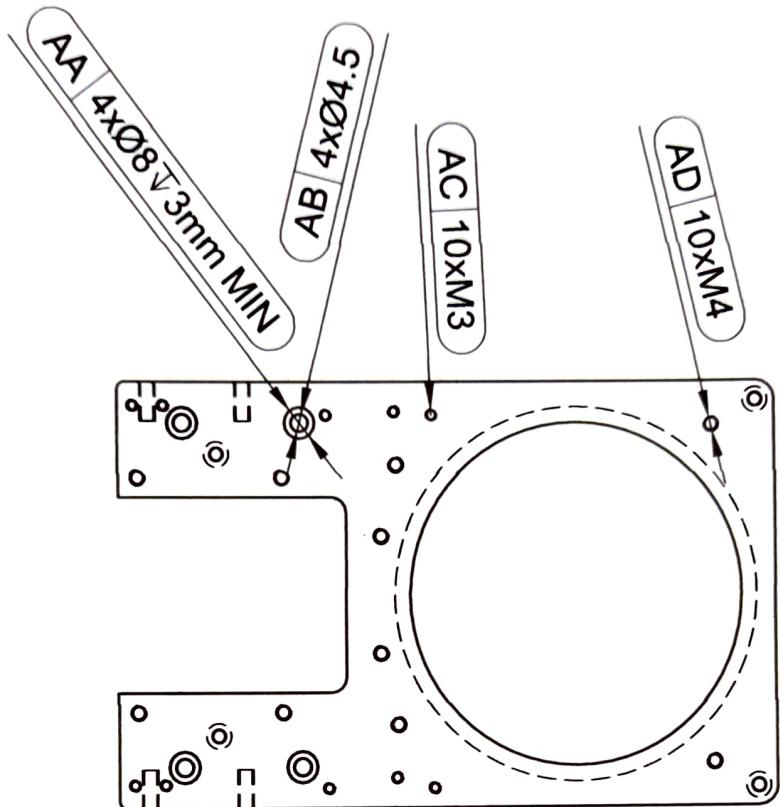
7\_6\_1\_MainPlate\_Rev-6



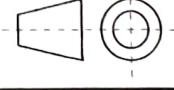
Drafting Standard : ISO 128:2020	Drawn by Asad	7/28/2022	Scale 1:2
All dimensions are in mm unless otherwise specified	Checked by Hirushan P	7/29/2022	
Tolerance +/-0.15	Validated by Akil A	16/3/2023	
Material Aluminium	Machine ID		
Part Name MainPlate	Sheet 2/6		
Part ID			

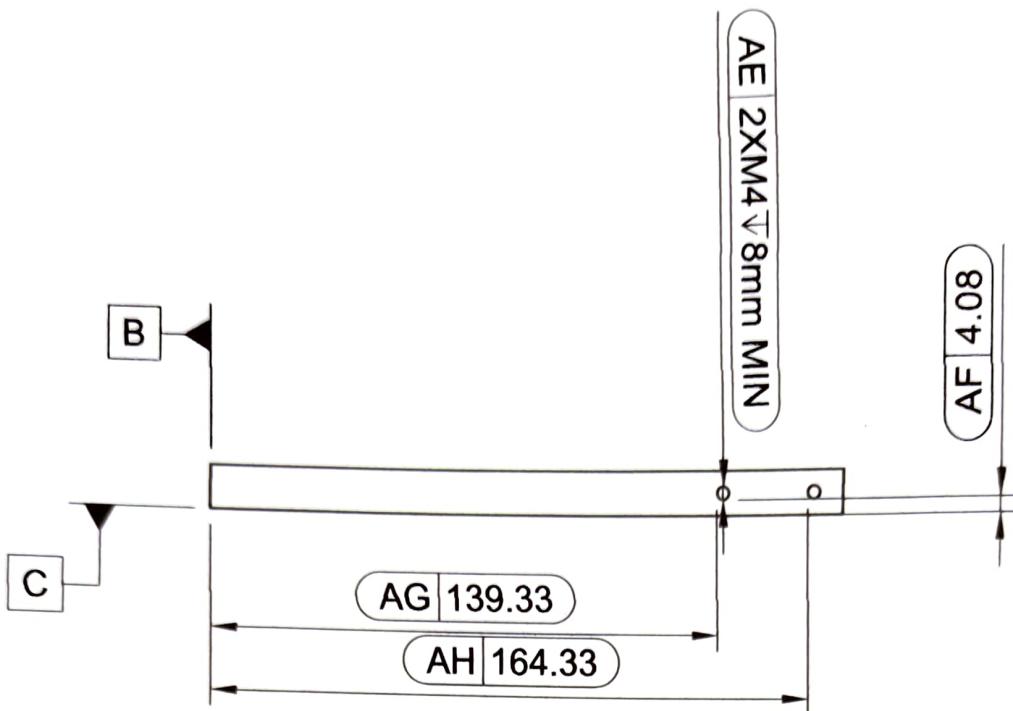
7\_6\_1\_MainPlate\_Rev-6





BOTTOM

<p><b>Drafting Standard :</b> ISO 128:2020 All dimensions are in mm unless otherwise specified</p>	<b>Drawn by</b>	Asad	7/28/2022	Scale 1:2
	<b>Checked by</b>	Hirushan P	7/29/2022	
	<b>Validated by</b>	Ahil A	16/3/2023	
Tolerance +/-0.15	Material		Machine ID	Sheet 3/6
AtlasLabs	Part Name 7_6_1_MainPlate_Rev-6		Part ID	



RIGHT

<p>Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified</p>	Drawn by	Asad	7/28/2022	Scale	1:2
	Checked by	Hirushan P	7/29/2022		
	Validated by	Ahil A	16/3/2023		
Tolerance +/-0.15	Material	Machine ID		Sheet	4/6
AtlasLabs	Part Name 7_6_1_MainPlate_Rev-6				Part ID

DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	174.07	+0.07	PASS
B	109.03	+0.03	PASS
C	114.06	+0.06	PASS
D	29.52	+0.02	PASS
E	95.92	-0.08	PASS
F	87.96	-0.04	PASS
G	11.51	+0.01	PASS
H	10.00 <del>123.81</del>	<del>+0.06</del>	PASS
I	117.78	+0.04	PASS
J	103.09	+0.01	PASS
K	98.88	+0.04	PASS
L	89.76	+0.02	PASS
M	15.021	+0.02	PASS
N	9.53	-0.02	PASS
O	10.00 <del>10.00</del>	+/- 0.00	PASS
P	6.39	-0.01	PASS
Q	167.33	+/- 0.00	PASS
R	154.76	+0.01	PASS
S	6.54	+0.04	PASS
T	10.50	+/- 0.00	PASS
U	3.75	+0.01	PASS

Comments:

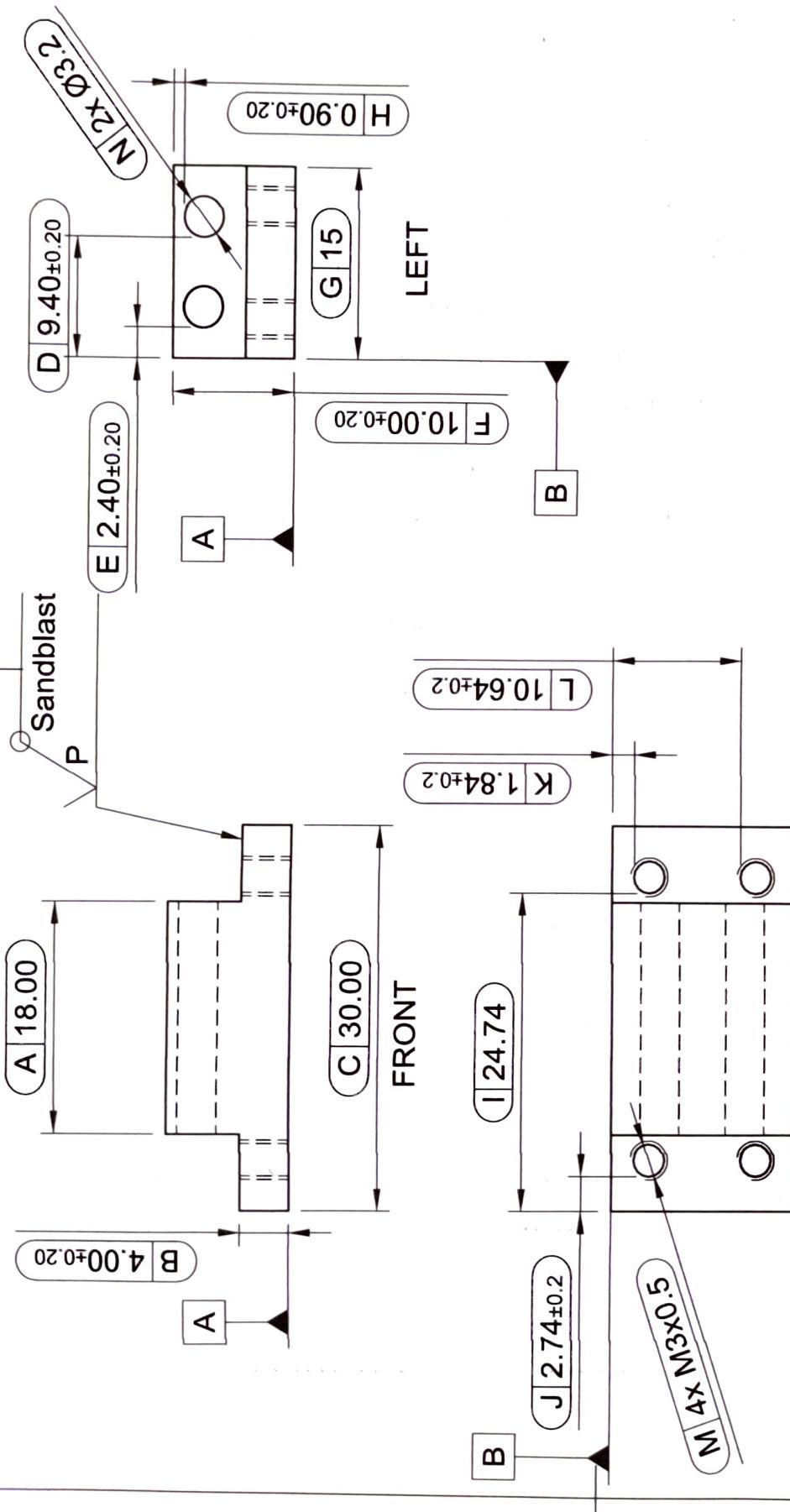
De-burred	PASS	Tapped	PASS	Surface Finish	PASS
Drilled	PASS	Countersunk/bored	PASS	Mass	367.446 g
Drafting Standard :	Drawn by	Asad	7/28/2022	Scale	1:2
ISO 128:2020	Checked by	Hirushan P	7/29/2022		
All dimensions are in mm unless otherwise specified	Validated by	Phil A	16/3/2023		
Tolerance +/-0.15	Material	Machine ID		Sheet	5/6
AtlasLabs	Part Name	7_6_1_MainPlate_Rev-6		Part ID	

**Comments:**

De-burred	PASS	Tapped	PASS	Surface Finish	PASS
Drilled	PASS	Countersunk/bored	PASS	Mass	367.446 g

<p><b>Drafting Standard :</b> <b>ISO 128:2020</b>  All dimensions are in mm unless otherwise specified</p>	<b>Drawn by</b>	Asad	7/28/2022	<b>Scale</b>	1:2
	<b>Checked by</b>	Hirushan P	7/29/2022		
	<b>Validated by</b>	Ahil A	16/3/2023		

Tolerance +/-0.15	Material Aluminium	Machine ID	Sheet 6/6
 <b>AtlasLabs</b>	Part Name 7_6_1_MainPlate_Rev-6		Part ID



Drafting Standard : ISO 128:2020	Drawn by Kasun Y	Checked by Kavindha R	Validated by Akila	Material ALUMINIUM	Machine ID A	6/29/2022	6/30/2022	Scale 2:1
All dimensions are in mm unless otherwise specified								
Tolerance +/- 0.1								

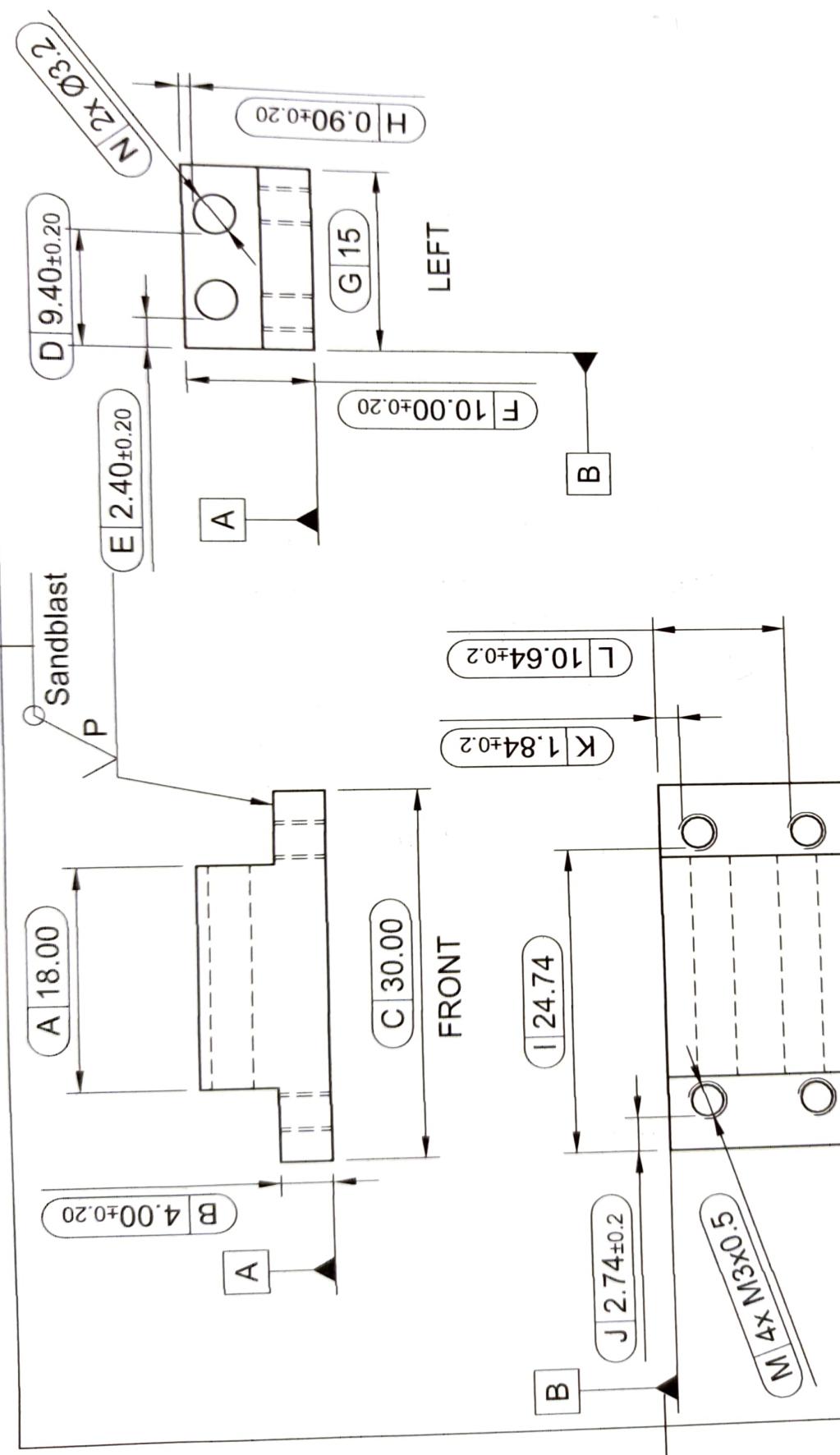
7\_1\_1\_SiliconeGripperMountingTopBrace



**Comments:**

Designer approved dimensions out of tolerance

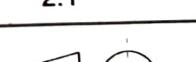
De-burred	PASS	Tapped	PASS	Surface Finish	PASS
Drilled	PASS	Countersunk/bored	N/A	Mass 8.24 g	8 g
Drafting Standard : ISO 128:2020	Drawn by	Kasun Y		6/29/2022	Scale 2:1
All dimensions are in mm unless otherwise specified	Checked by	Kavindha R		6/30/2022	
	Validated by	Ahil A		2/23/2023	
Tolerance +/- 0.1	Material	ALUMINIUM	Machine ID	Sheet 2/2	
AtlasLabs	Part Name	7_1_1_SiliconeGripperMountingTopBrace			Part ID 1

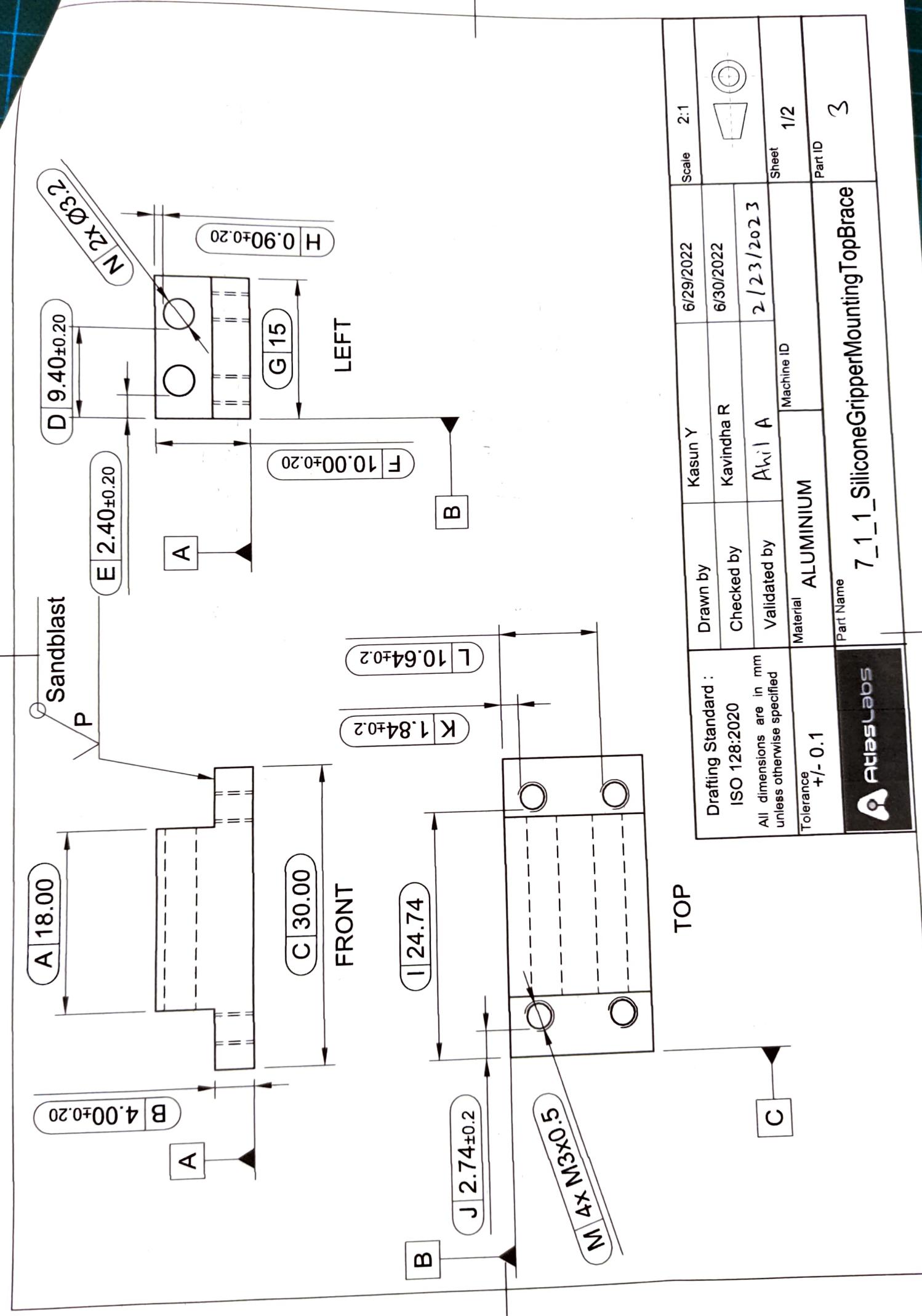


Drafting Standard : ISO 128:2020	Drawn by Kavindha R	Checked by A	Validated by A	Material ALUMINIUM	Scale 2:1
All dimensions are in mm unless otherwise specified					
Tolerance $+\text{-}0.1$					
	Part Name 7_1_1_SiliconeGripperMountingTopBrace	Machine ID	Part ID 2	Sheet 1/2	Part ID 2



**Comments:**

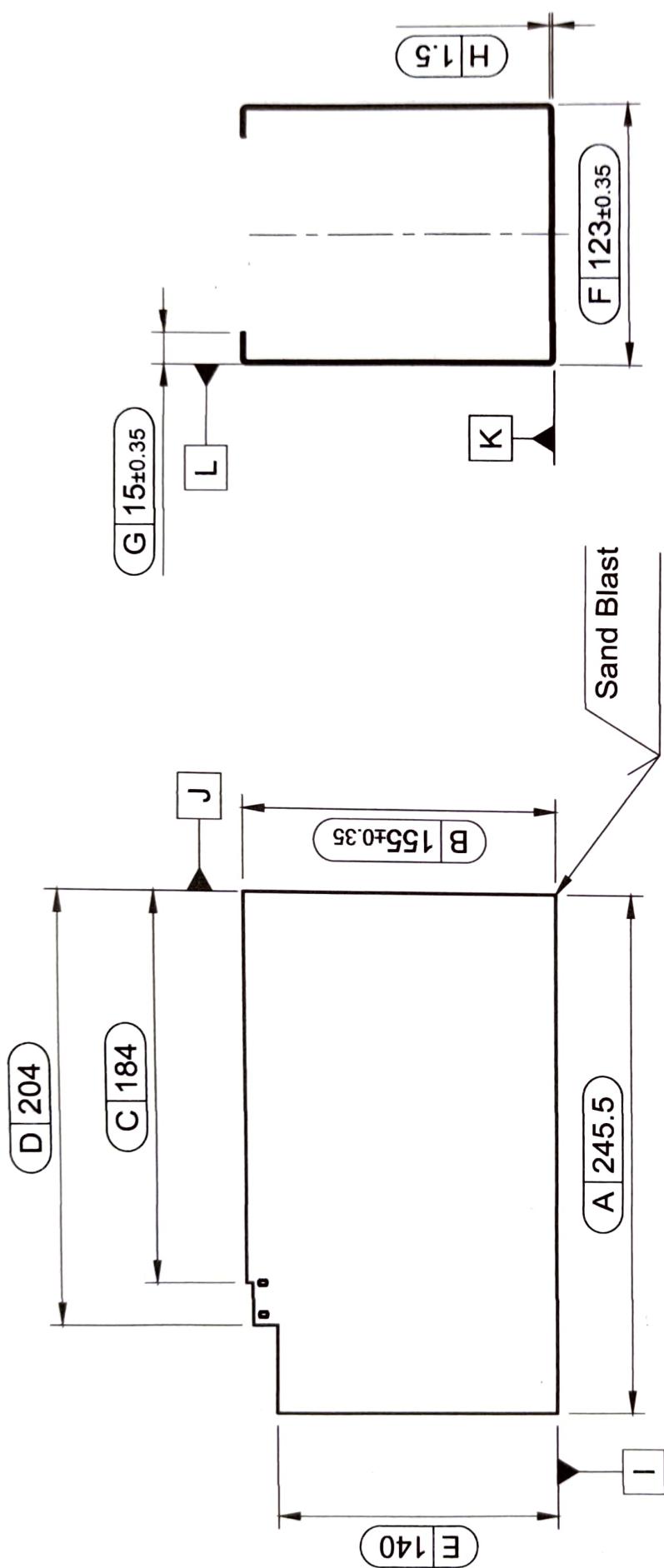
De-burred	PASS	Tapped	PASS	Surface Finish	PASS
Drilled	PASS	Countersunk/bored	N/A	Mass	8.24 g
Drafting Standard : ISO 128:2020  All dimensions are in mm unless otherwise specified	Drawn by	Kasun Y		6/29/2022	Scale 2:1
	Checked by	Kavindha R		6/30/2022	
	Validated by	Ahil A		2/23/2023	
Tolerance +/- 0.1	Material	ALUMINIUM	Machine ID	Sheet 2/2	
AtlasLabs	Part Name	7_1_1_SiliconeGripperMountingTopBrace			Part ID 2



**Comments:**

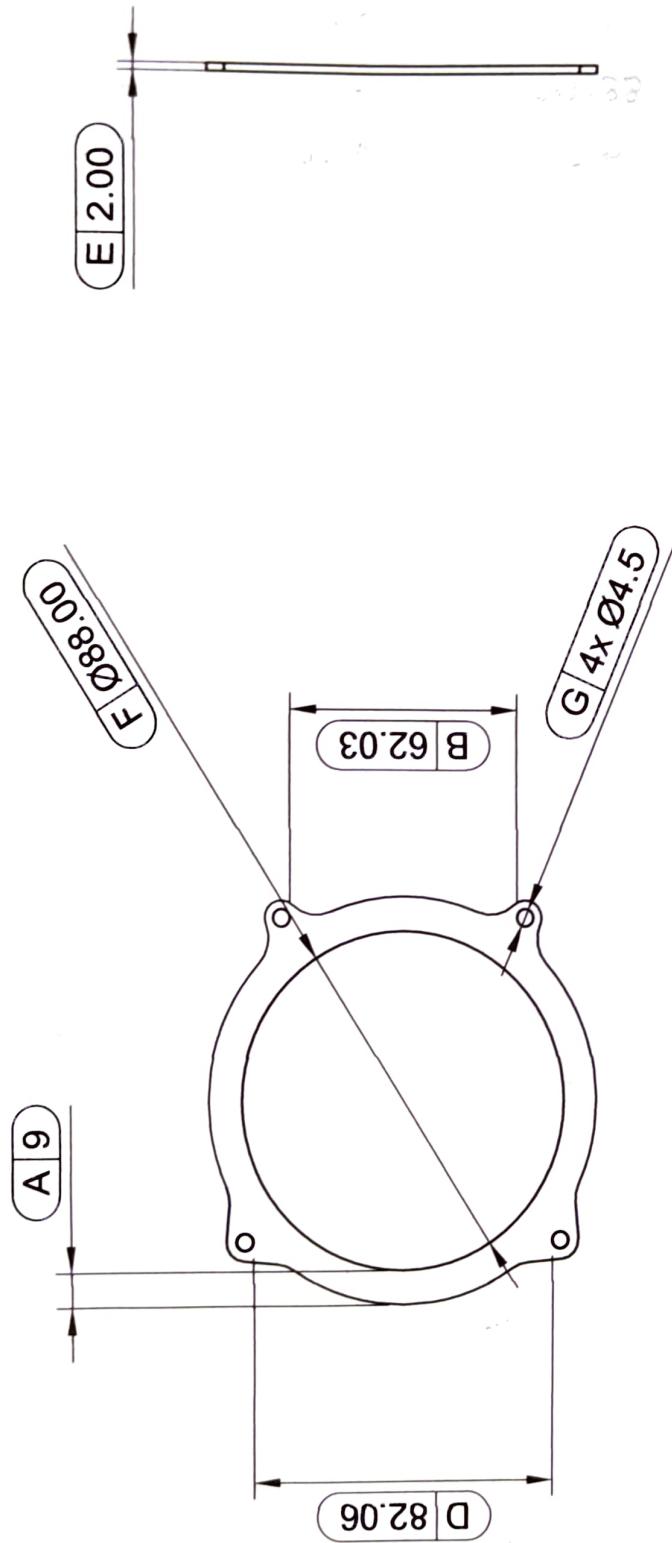
Design approved dimensions out of tolerances.

De-burred <b>PASS</b>		Tapped <b>PASS</b>		Surface Finish <b>PASS</b>	
Drilled <b>PASS</b>		Countersunk/bored <b>N/A</b>		Mass 8.24 g	8 g
Drafting Standard : ISO 128:2020  All dimensions are in mm unless otherwise specified	Drawn by		Kasun Y	6/29/2022	Scale 2:1
	Checked by		Kavindha R	6/30/2022	 
	Validated by		Ahil A	2/23/2023	
Tolerance +/- 0.1	Material <b>ALUMINIUM</b>		Machine ID		Sheet 2/2
	Part Name <b>7_1_1_SiliconeGripperMountingTopBrace</b>				Part ID <b>3</b>



Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by Saddeep A	06/12/2022	Scale 1:3
Checked by Asad	Checked by 12/12/2022		
Validated by Himra P	Validated by 03/15/2023		
Tolerance ±0.2	Material AL	Machine ID	Sheet 1/2
	Part Name AtlassLabs	Part ID	7_8_1_UncappingEnclosureBottom_Rev-6

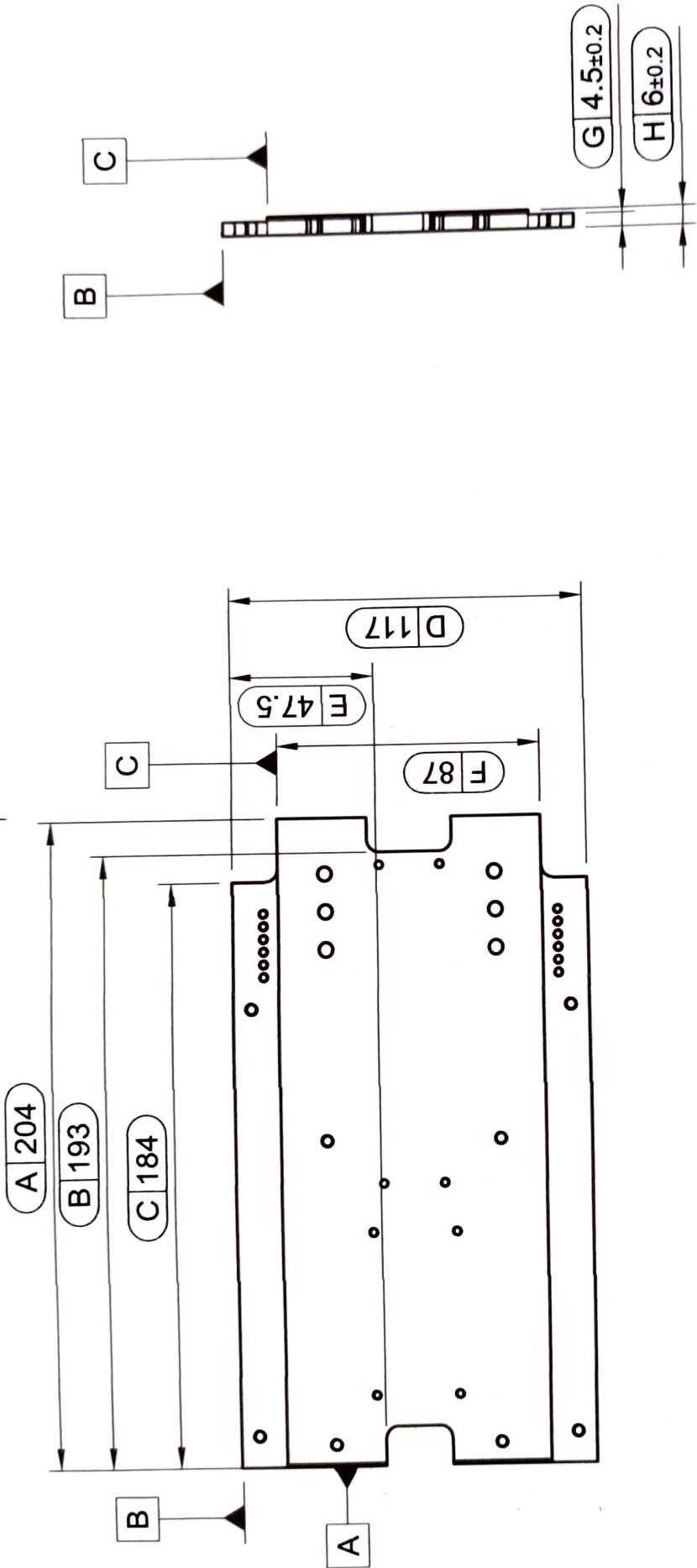
Comments: <i>Designer approval dimensions out of tolerance.</i>					
De-burred <i>Pass</i>		Tapped <i>N/A</i>		Surface Finish <i>Pass</i>	
Drilled <i>Pass</i>		Countersunk/bored <i>Pass</i>		Mass 468.6g	422g
Drafting Standard : ISO 128:2020  All dimensions are in mm unless otherwise specified	Drawn by <i>Sadeep A</i>		06/12/2022		Scale 1:3
	Checked by <i>Asad</i>		3/15/2023		 
	Validated by <i>Hirunna P</i>		03/15/2023		
Tolerance $\pm 0.2$	Material <i>AL</i>		Machine ID		Sheet 2/2
 <b>AtlasLabs</b>	Part Name <b>7_8_1_UncappingEnclosureBottom_Rev-6</b>				Part ID



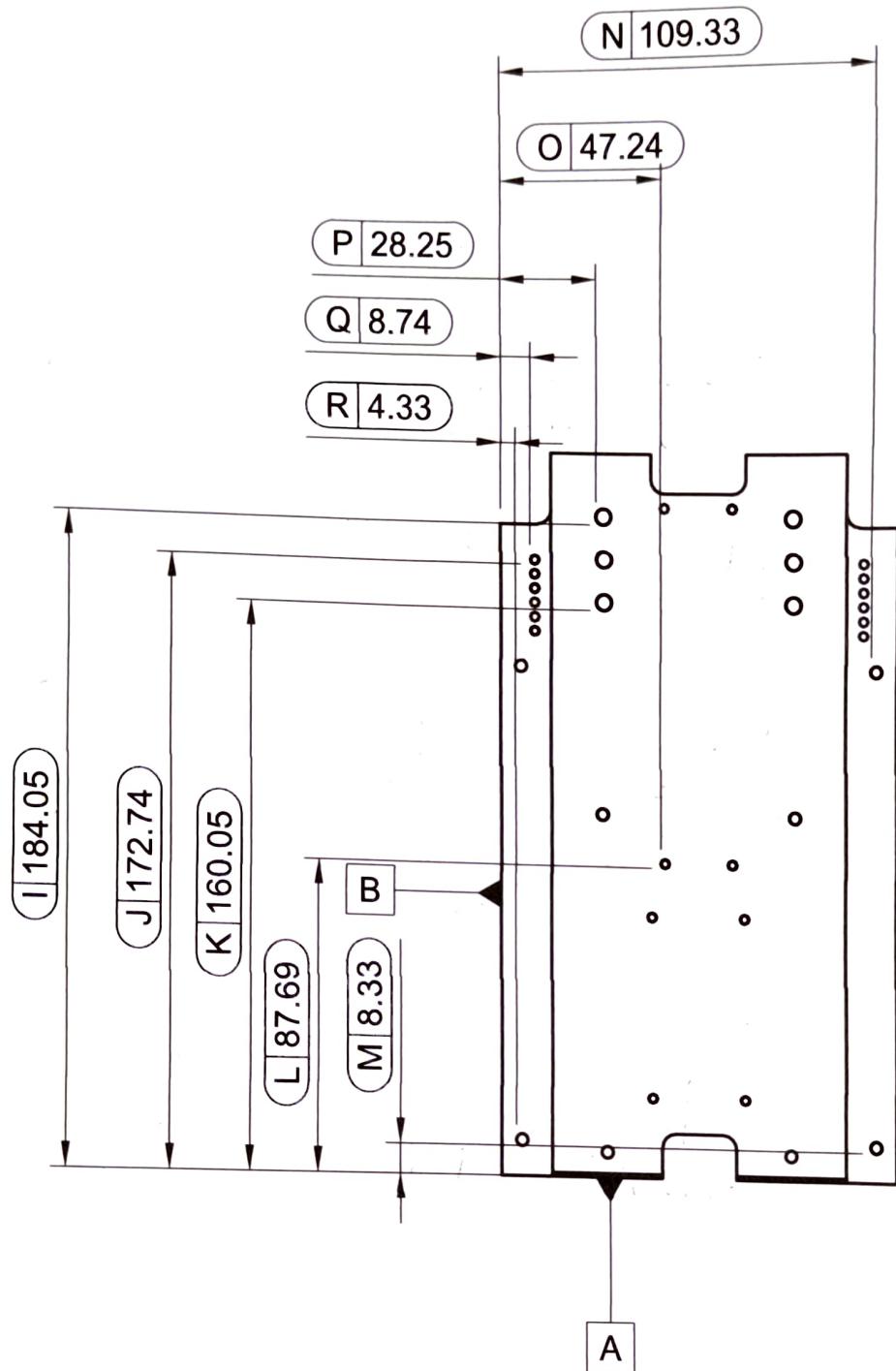
Drafting Standard : ISO 128:2020	Drawn by Kavindha R	Checked by Kasun Y	Validated by Kavindra N	Material Aluminium	Scale 1:2
All dimensions are in mm unless otherwise specified					
Tolerance +/- 0.1				Machine ID	
					Sheet 1/2
					Part ID
					Part Name 7_6_3_BearingBracket_Rev-6

**Comments:**

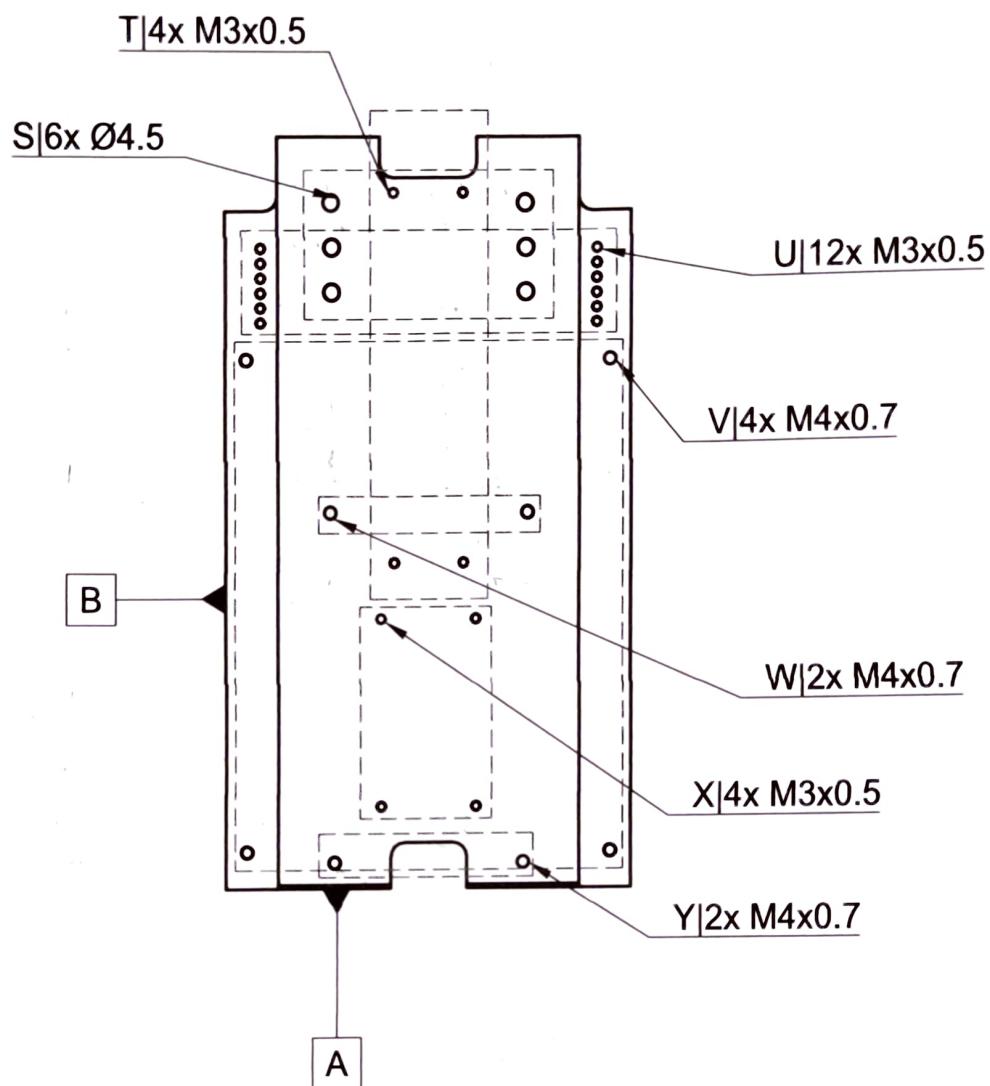
De-burred	Pass	Tapped	N/A	Surface Finish	Pass
Drilled	Pass	Countersunk/bored	N/A	Mass	16.79g   16g
Drafting Standard : ISO 128:2020	Drawn by	Kavindha R	6/29/2022	Scale	1:2
All dimensions are in mm unless otherwise specified	Checked by	Kasun Y	7/29/2022		
	Validated by	Kavindra N	3/15/2023		
Tolerance +/- 0.1	Material	Aluminium	Machine ID	Sheet	2/2
AtlasLabs	Part Name	7_6_3_BearingBracket_Rev-6			Part ID



Drafting Standard : ISO 128:2020	Drawn by Asad	Checked by Sadeep A	12/13/2022	Scale 1:3
All dimensions are in mm unless otherwise specified	Validated by Anurka J	12/19/2022	21/02/2023	Sheet 1/5
Tolerance +/-0.15	Material Aluminum	Machine ID		Part ID 2
	Part Name 7_2_10_LinearActuatorMountingPlate_Rev-6			



Drafting Standard : ISO 128:2020	Drawn by Asad	12/13/2022	Scale 1:3
All dimensions are in mm unless otherwise specified	Checked by Sadeep A	12/19/2022	
Validated by Anurka B		24/02/2023	
Tolerance +/-0.15	Material Aluminium	Machine ID	Sheet 2/5
AtlasLabs	Part Name 7_2_10_LinearActuatorMountingPlate_Rev-6	Part ID 2	



Drafting Standard : ISO 128:2020	Drawn by	Asad	12/13/2022	Scale 1:3
All dimensions are in mm unless otherwise specified	Checked by	Sadeep A	12/19/2022	
	Validated by	Anuka - B	21/02/2023	
Tolerance +/-0.15	Material Aluminum	Machine ID	Sheet 3/5	
AtlasLabs	Part Name 7_2_10_LinearActuatorMountingPlate_Rev-6			Part ID 2

DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	204.05	+0.05	Pass
B	193.04	+0.09	Pass
C	184	—	Pass
D	117.02	+0.02	Pass
E	47.54	+0.09	Pass
F	87.02	+0.02	Pass
G	4.62	+0.02	Pass
H	6.05	+0.05	Pass
I	184.11	+0.11	Pass
J	160.13	+0.13	Pass
K	160.13	+0.13	Pass
L	87.77	+0.08	Pass
M	8.43	+0.10	Pass
N	109.38	+0.05	Pass
O	47.33	+0.09	Pass
P	28.23	+0.02	Pass
Q	8.79	+0.05	Pass
R	4.40	+0.07	Pass
S	6 x 4.5	—	Pass
T	4 x M3	—	Pass
U	12 x M3	—	Pass

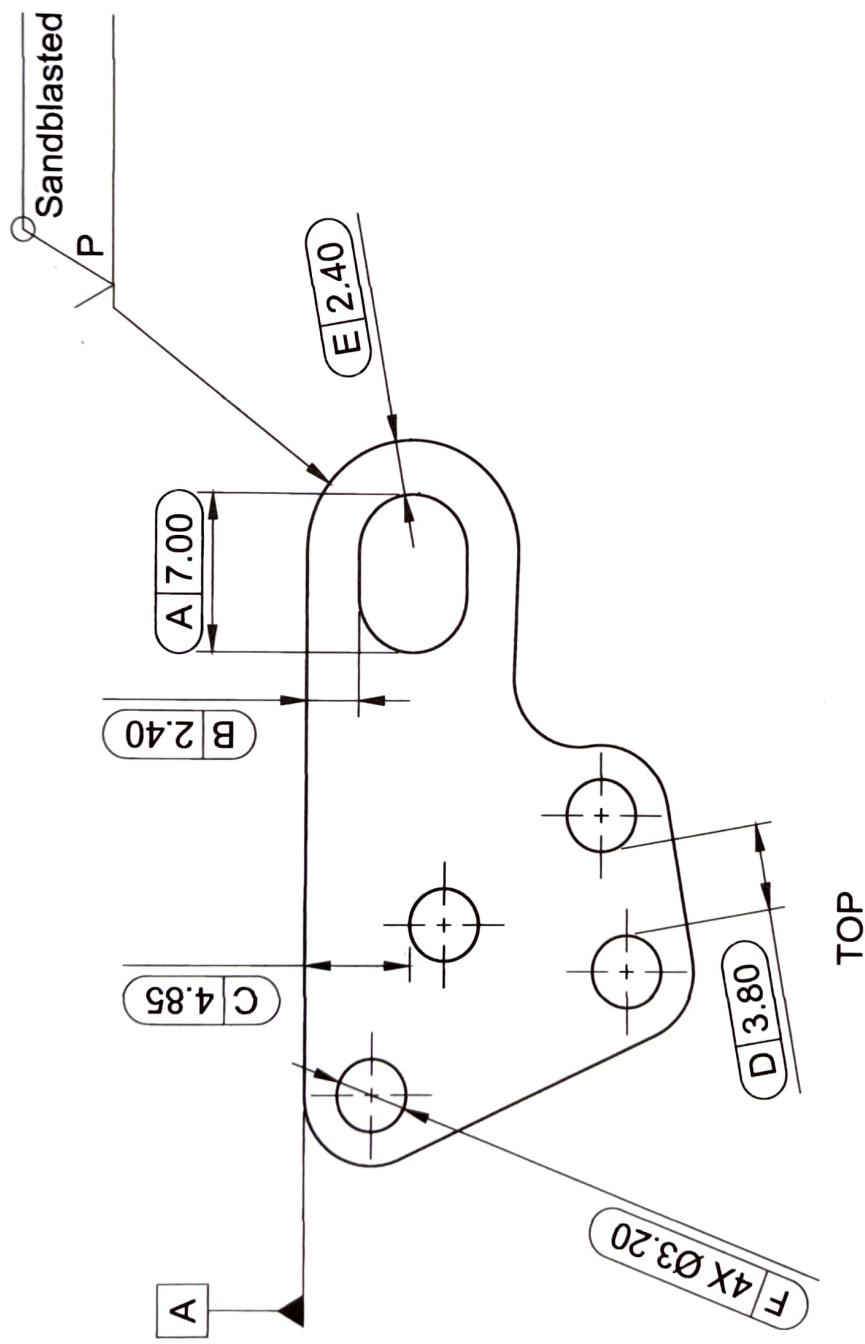
Comments:

De-burred	N/A	Tapped	Pass	Surface Finish	Pass
Drilled	N/A	Countersunk/bored	N/A -	Mass	345.43g
Drafting Standard :	Drawn by	Asad	12/13/2022	Scale	1:3
ISO 128:2020	Checked by	Sadeep A	12/19/2022		
All dimensions are in mm unless otherwise specified	Validated by	AnuKa B	21/02/2023		
Tolerance +/-0.15	Material	Aluminium	Machine ID	Sheet	4/5
AtlasLabs	Part Name	7_2_10_LinearActuatorMountingPlate_Rev-6	Part ID		2

DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
V	4 x M3	-	Pass
W	2 x M4	-	Pass
X	4 x M3	-	Pass
Y	2 x M4	-	Pass

**Comments:**

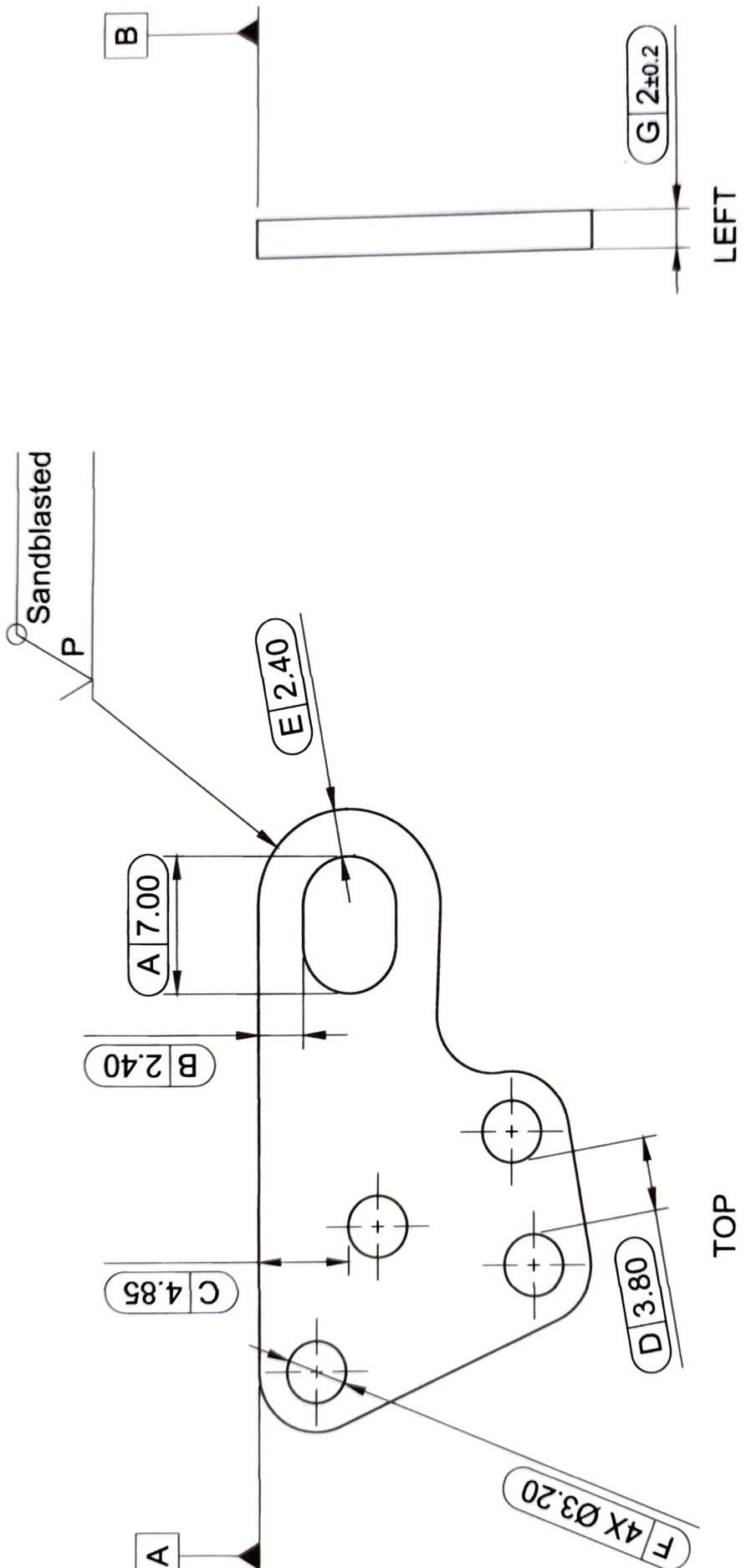
De-burred	NA	Tapped	Pass	Surface Finish	Pass
Drilled	NA	Countersunk/bored	NA	Mass	345.43g
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Asad	12/13/2022	Scale	1:3
	Checked by	Sadeep A	12/13/2022		
	Validated by	Anuka B			
Tolerance +/-0.15	Material Aluminum	Machine ID		Sheet	5/5
AtlasLabs	Part Name 7_2_10_LinearActuatorMountingPlate_Rev-6			Part ID	2



Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by Kasun Y	Checked by Kavindha R	6/29/2022	Scale 4:1
Tolerance +/-0.1	Validated by Hiranya P	Machine ID	2023/03/30	
Material ALUMINIUM	Part Name	Sheet	1/2	
		Part ID	7_4_1_SiliconeMountPlate	2

Comments: Several hole locations are not important, therefore not dimensioned

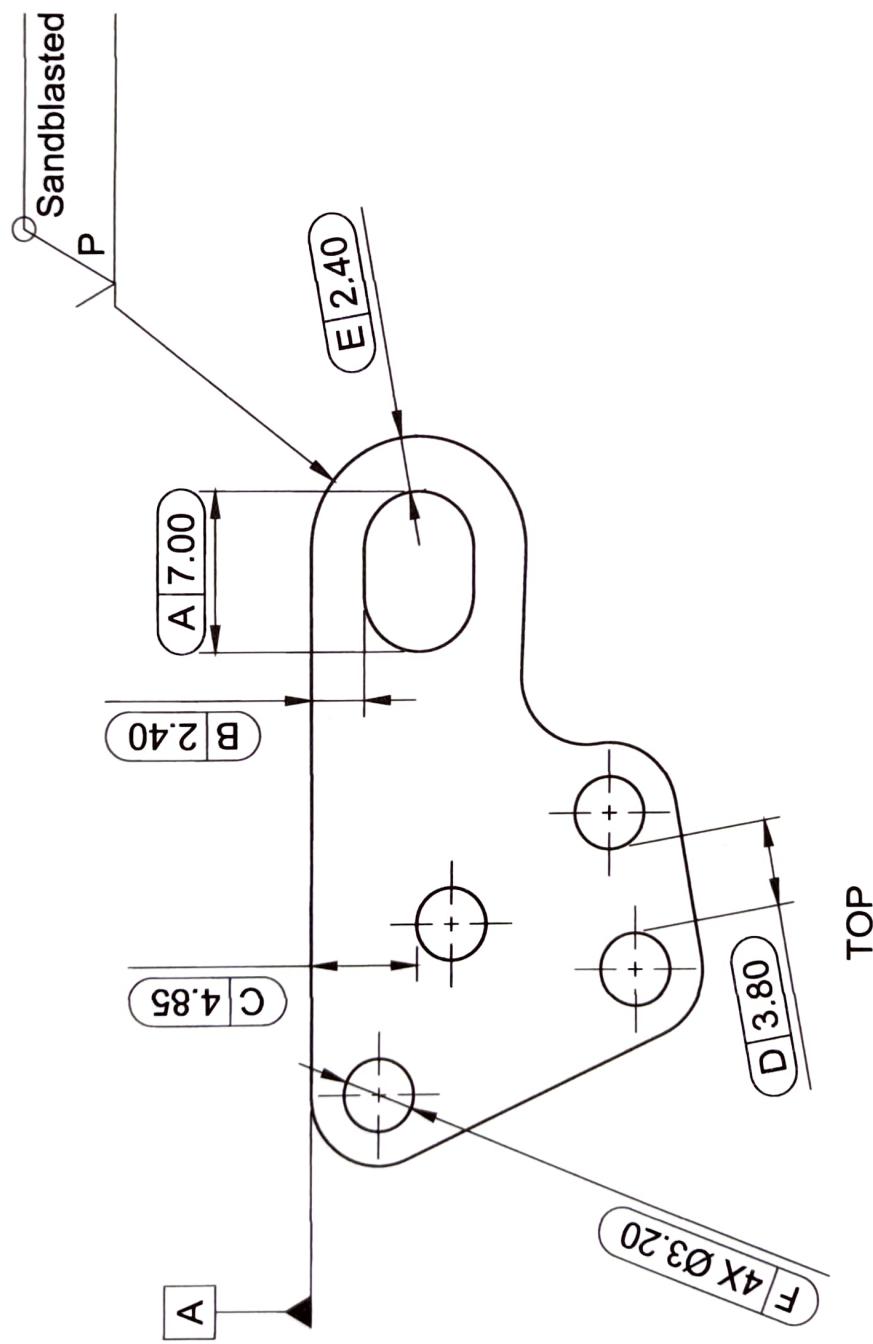
De-burred	Pass	Tapped	N/A	Surface Finish	Pass
Drilled	Pass	Countersunk/bored	N/A	Mass	1.809 g 1.5g
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kasun Y		6/29/2022	Scale 4:1
	Checked by	Kavindha R		6/30/2022	 
	Validated by	Hiruna P		2023/03/30	
Tolerance +/- 0.1	Material ALUMINIUM	Machine ID		Sheet 2/2	
AtlasLabs	Part Name 7_4_1_SiliconeMountPlate	Part ID 2			



Drafting Standard : ISO 128:2020	Drawn by Kasun Y	Checked by Kavindha R	6/29/2022	Scale 4:1
All dimensions are in mm unless otherwise specified	Validated by Lakruwa P	2023/03/30		
Tolerance +/-0.1	Material ALUMINUM	Machine ID		
	Part Name 7_4_1_SiliconeMountPlate			
				Part ID 3

Comments: Several hole locations are not important, therefore not dimensioned

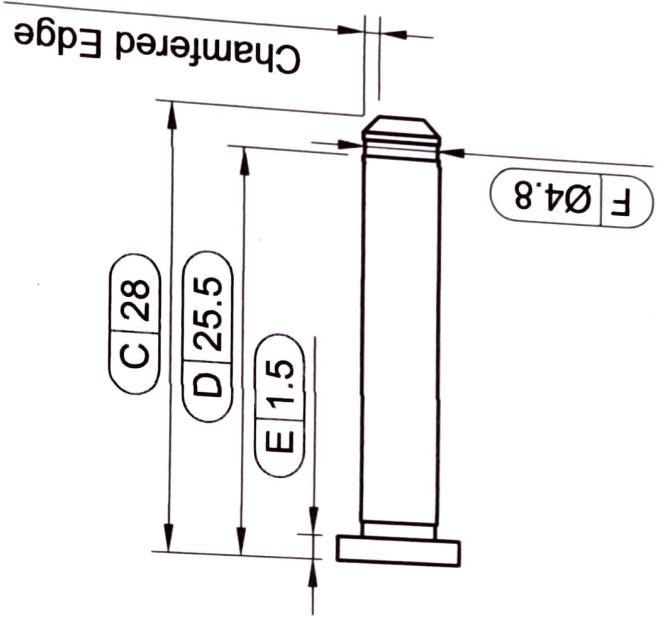
De-burred	Pass	Tapped	N/A	Surface Finish	Pass
Drilled	Pass	Countersunk/bored	N/A	Mass 1.809 g	159
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kasun Y		6/29/2022	Scale 4:1
	Checked by	Kavindha R		6/30/2022	 
	Validated by	Hirunap		2023/03/30	
Tolerance +/- 0.1	Material	ALUMINIUM	Machine ID	Sheet 2/2	
AtlasLabs	Part Name	7_4_1_SiliconeMountPlate			Part ID 3



Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by Kasun Y	Checked by Kavindha R	6/29/2022	Scale 4:1
Validated by Hiranya P	2022/03/30	Machine ID		Sheet 1/2
Material ALUMINIUM				Part ID 7_4_1_SiliconeMountPlate
Part Name SiliconeMountPlate				AddressLabs

Comments: Several hole locations are not important, therefore not dimensioned

De-burred <i>Pass</i>	Tapped <i>N/A</i>	Surface Finish <i>Pass.</i>		
Drilled <i>Pass</i>	Countersunk/bored <i>N/A</i>	Mass 1.809 g <i>1.5g</i>		
Drafting Standard : ISO 128:2020  All dimensions are in mm unless otherwise specified	Drawn by  Checked by  Validated by	Kasun Y  Kavindha R  <i>Hirunika P</i>	6/29/2022  6/30/2022  <i>2023/03/30</i>	Scale 4:1   
	Material	ALUMINIUM	Machine ID	Sheet 2/2
	Part Name	7_4_1_SiliconeMountPlate		Part ID <i>1</i>

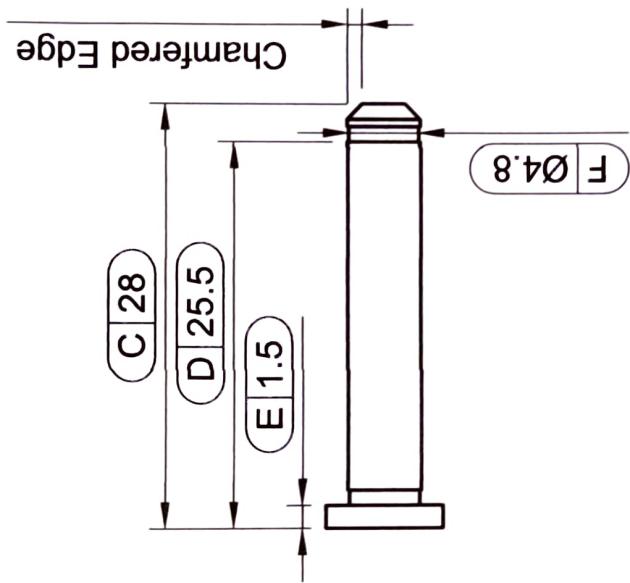


Drafting Standard : ISO 128:2020	Drawn by Asad	Checked by Kasun Y	12/20/2022	Scale 2:1
All dimensions are in mm unless otherwise specified	Validated by Dishal C	03 / 24 / 2022		
Tolerance +/-0.15	Material SS	Machine ID	Sheet 1/2	Part ID 3
	Part Name Atos Labs			
	7_4_34_LinkagePin			

DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	8.03	+0.03	Pass
B	5.02	-0.02	Pass
C	27.97	-0.03	Pass
D	25.42	-0.08	Pass
E	1.42	-0.03	Pass
F	4.81	+0.01	Pass

**Comments:**

De-burred	<i>Pass</i>	Tapped	<i>N/A</i>	Surface Finish	<i>Pass</i>
Drilled	<i>N/A</i>	Countersunk/bored	<i>N/A</i>	Mass	4.6g
Drafting Standard : ISO 128:2020	Drawn by	Asad	12/20/2022	Scale	2:1
All dimensions are in mm unless otherwise specified	Checked by	Kasun Y	12/20/2022		
	Validated by			Sheet	2/2
Tolerance $+-0.15$	Material	SS	Machine ID	Part ID	3
 <b>AtlasLabs</b>	Part Name	<b>7_4_34_LinkagePin</b>			

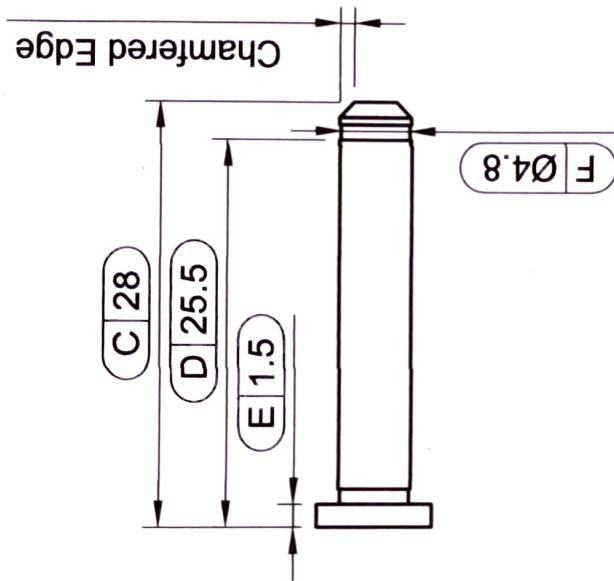


Drafting Standard : ISO 128:2020	Drawn by Asad	Checked by Kasun Y	Validated by Dishal, G,	12/20/2022	12/20/2022	Scale 2:1
All dimensions are in mm unless otherwise specified						
Tolerance +/-0.15	Material SS	Machine ID				
	Part Name 7_4_34_LinkagePin	Sheet 1/2	Part ID 2			

DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	8.03	+0.03	Pass
B	5.01	+0.01	Pass
C	28.02	+0.02	Pass
D	25.60	+0.05	Pass
E	1.45	-0.05	Pass
F	4.76	-0.04	Pass

Comments:

De-burred <i>Pass</i>	Tapped <i>N/A</i>	Surface Finish <i>Pass</i>	
Drilled <i>N/A</i>	Countersunk/bored <i>N/A</i>	Mass 4.6g <i>5.0g</i>	
Drafting Standard : ISO 128:2020  All dimensions are in mm unless otherwise specified	Drawn by <i>Asad</i>	12/20/2022	Scale 2:1
	Checked by <i>Kasun Y</i>	12/20/2022	
	Validated by <i>Dishali S</i>	23/24/2023	
Tolerance <i>+/-0.15</i>	Material <i>SS</i>	Machine ID	Sheet 2/2
 <b>AtlasLabs</b>	Part Name <i>7_4_34_LinkagePin</i>	Part ID <i>2</i>	



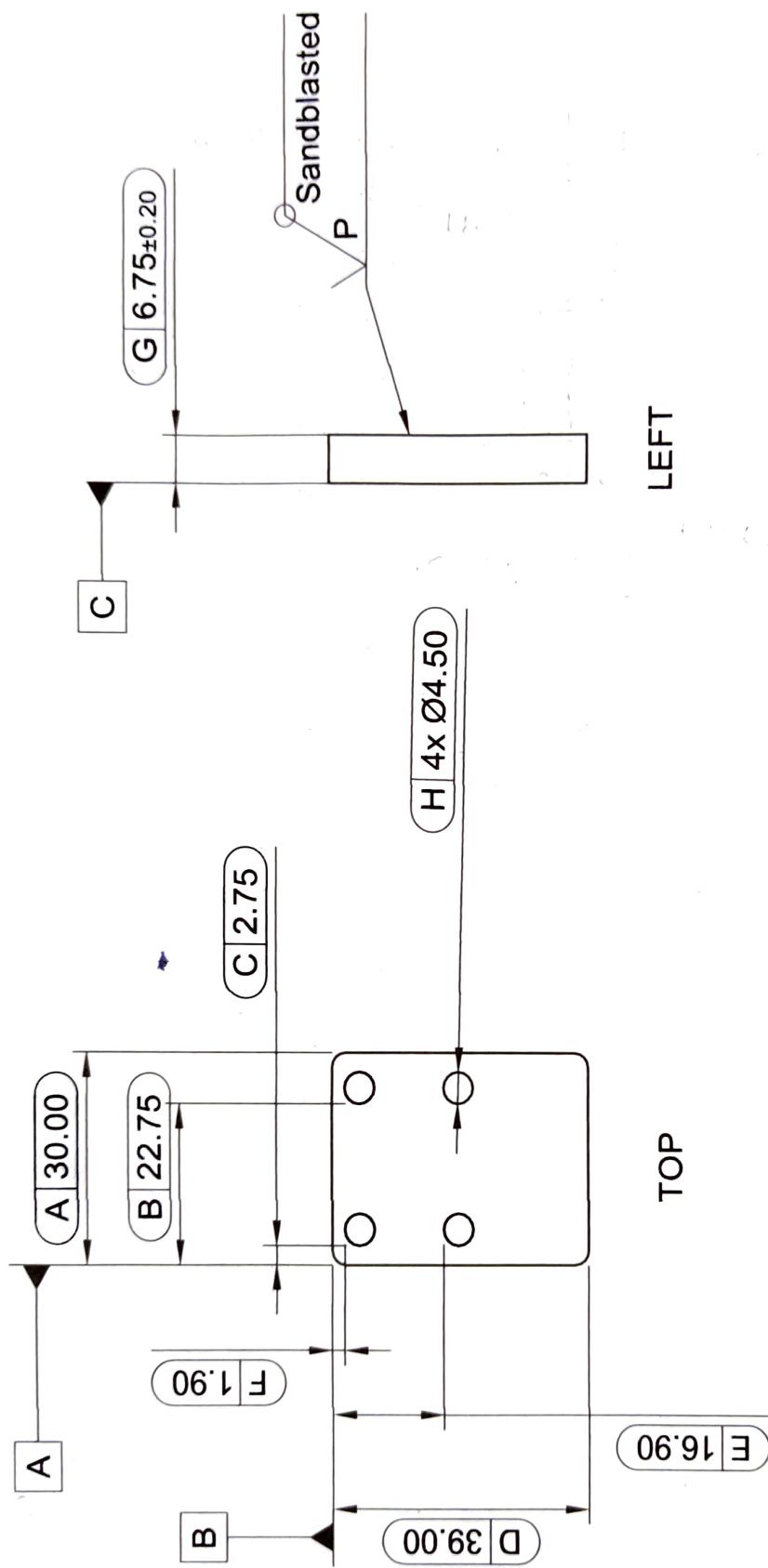
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by Asad	Checked by Kasun Y	12/20/2022	Scale 2:1
Validated by Dishal C	12/20/2022			
Machine ID 3/24/2023				
Material SS	Machine ID	Sheet	1/2	Part ID
Part Name AtasLab	7_4_34_LinkagePin			1

DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	8.02	+0.02	Pass
B	5.02	+0.02	Pass
C	28.01	+0.01	Pass
D	25.55	+0.05	Pass
E	1.46	-0.04	Pass
F	4.82	+0.02	Pass

**Comments:**

De-burred	Pass	Tapped	N/A	Surface Finish	Pass
Drilled	N/A	Countersunk/bored	N/A	Mass	4.6g
Drafting Standard : ISO 128:2020	Drawn by	Asad	12/20/2022	Scale	2:1
All dimensions are in mm unless otherwise specified	Checked by	Kasun Y	12/20/2022		
	Validated by	Dishali G.	3/24/2023		
Tolerance +/-0.15	Material	SS	Machine ID	Sheet	2/2
AtlasLabs	Part Name	7_4_34_LinkagePin			Part ID 1

E3



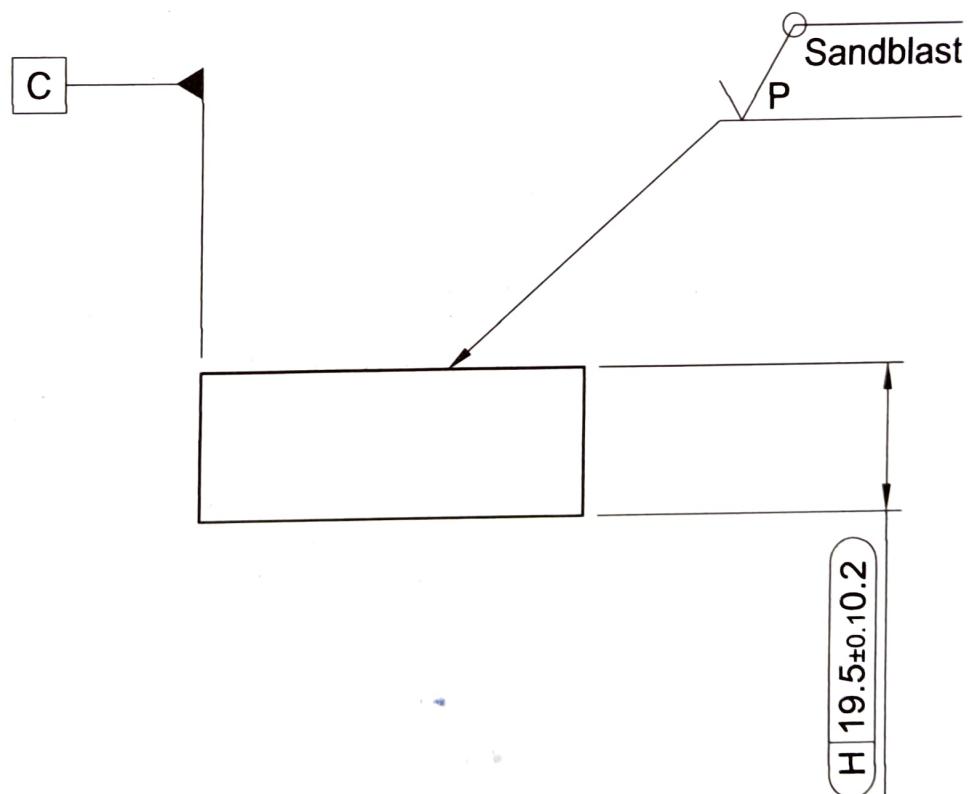
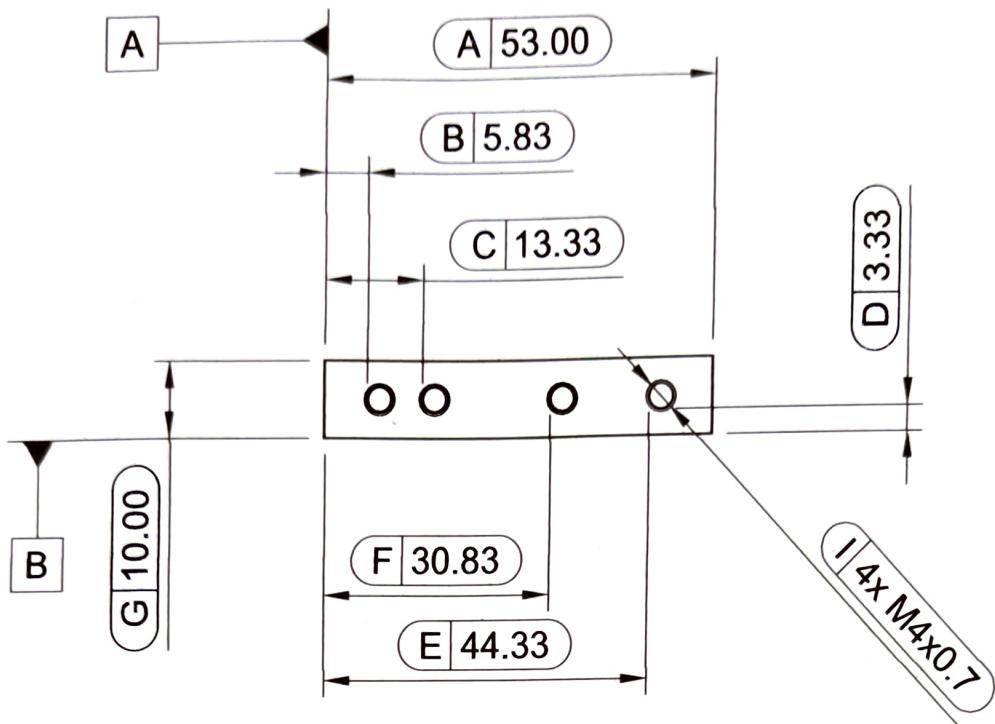
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by Kavindha R	Checked by Kasun Y	Validated by Kavindha R	6/30/2022 7/29/2022 2/21/2023	Scale 1:1
Tolerance +/- 0.1	Material Aluminium	Machine ID			
	Part Name AttestLabs				
	Part ID 7_2_32_MountPlateSpacer				

DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	29.99	-0.01	Pass
B	22.80	+0.05	Pass
C	2.79	+0.04	Pass
D	39.01	+0.01	Pass
E	16.97	+0.07	Pass
F	1.97	+0.07	Pass
G	6.69	-0.06	Pass
H	4.40	-0.10	Pass
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Comments:

De-burred Pass	Tapped N/A	Surface Finish Pass
Drilled Pass	Countersunk/bored N/A	Mass 20.101 g 20 g
Drafting Standard : ISO 128:2020	Drawn by	Kavindha R
All dimensions are in mm unless otherwise specified	Checked by	Kasun Y
	Validated by	Kavindha
Tolerance +/- 0.1	Material Aluminium	Machine ID
AtlasLabs	Part Name 7_2_32_MountPlateSpacer	Sheet 2/2 Part ID

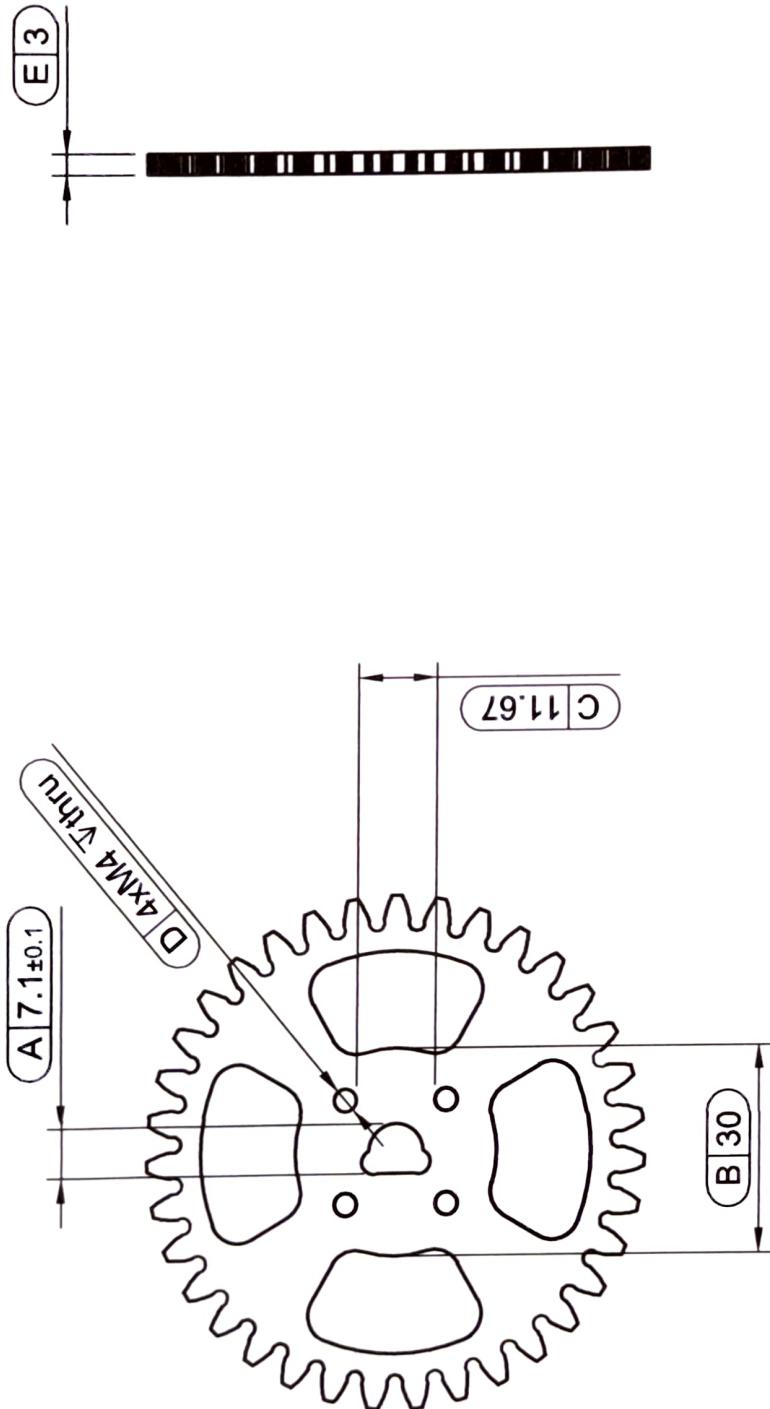
E3



Drafting Standard : ISO 128:2020	Drawn by	Kavindha R	6/29/2022	Scale 1:1
All dimensions are in mm unless otherwise specified	Checked by	Kasun Y	7/29/2022	
Validated by	<i>Rasunath M</i>		20/02/23	
Tolerance +/- 0.1	Material	Aluminum	Machine ID	Sheet 1/2
AtlasLabs	Part Name 7_2_16_MainPlateSpacer			Part ID 1

### Comments:

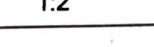
De-burred	PASS	Tapped	PASS	Surface Finish	PASS
Drilled	PASS	Countersunk/bored	N/A	Mass	26.068 g
Drafting Standard : ISO 128:2020	Drawn by	Kavindha R	6/29/2022	Scale	1:1
All dimensions are in mm unless otherwise specified	Checked by	Kasun Y	7/29/2022		
	Validated by	Ragunath M	20/02/23		
Tolerance +/- 0.1	Material Aluminium	Machine ID		Sheet	2/2
AtlasLabs	Part Name 7_2_16_MainPlateSpacer			Part ID	1

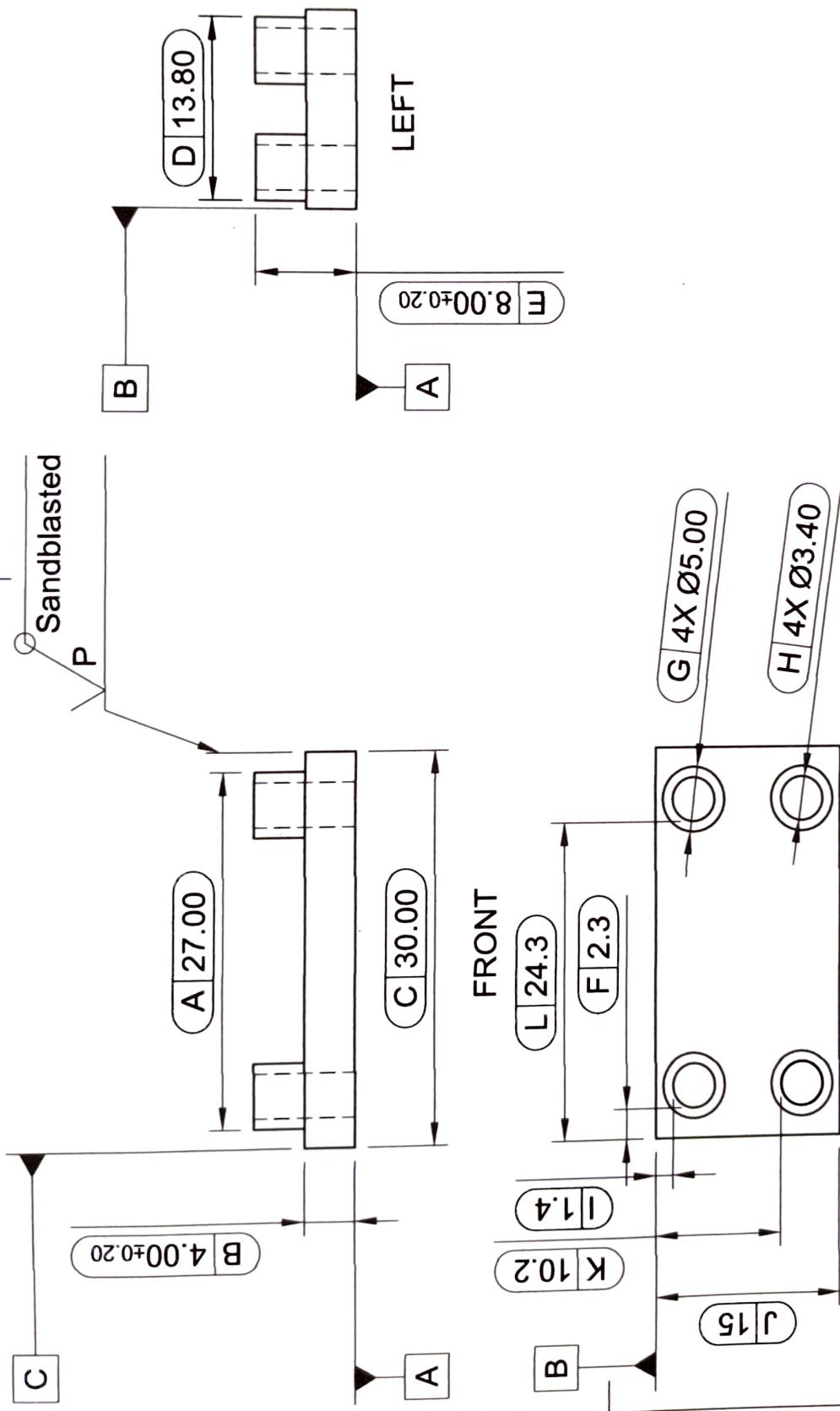


Drafting Standard : ISO 128:2020	Drawn by Asad	Checked by Karan	21/03/2023	Scale 1
All dimensions are in mm unless otherwise specified				
Validated by Karan			21/03/2023	
Material SS	Machine ID			
Tolerance +/-0.15				
Part Name 7_7_3_MotorGearCNC_Rev-6	Part ID 1/2			
AtlasLabs				

DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	7.09	-0.01	Pass
B	29.95	-0.05	Pass
C	11.47	-0.2	Pass
D	20.44	-	Pass
E	2.91	-0.09	Pass

Comments: \* Validation passed upon a fitment test.

De-burred		Tapped		Surface Finish	
Drilled		Countersunk/bored		Mass 57.633 g	
<p><b>Drafting Standard :</b> ISO 128:2020 All dimensions are in mm unless otherwise specified</p>		Drawn by	Asad	2/8/2023	Scale 1:2
		Checked by	Kasum M	21/03/2023	
		Validated by	Kasum M	21/03/2023	
Tolerance +/-0.15	Material SS		Machine ID		Sheet 2/2
AtlasLabs	Part Name 7_7_3_MotorGearCNC_Rev-6				Part ID



Drafting Standard : ISO 128:2020	Drawn by Kasun Y	Checked by Kavindha R	Validated by Hirunag P	Material ALUMINIUM	Machine ID
All dimensions are in mm unless otherwise specified	6/29/2022	6/30/2022	03/23/2022		
Tolerance +/-0.1					
AtlasLabs	Part Name	Part ID	Sheet	1/2	Part ID

7\_1\_2\_SiliconeGripperMountingBottomBrace

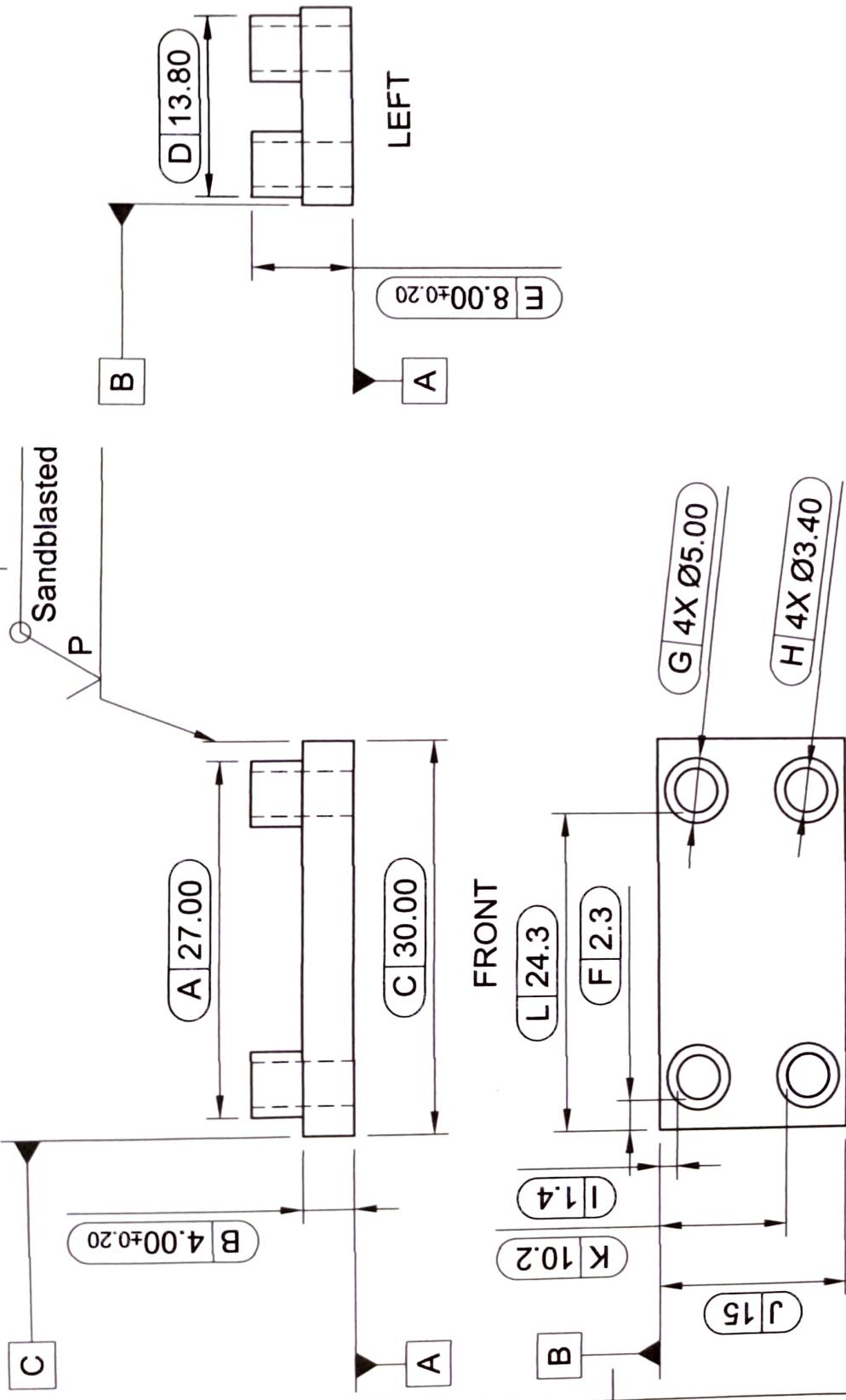


1

DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	27.01	+0.01	Pass
B	3.97	-0.03	Pass
C	30.06	+0.06	Pass
D	13.79	-0.01	Pass
E	7.91	-0.09	Pass
F	2.39	+0.09	Pass
G	6.82	+1.82	Pass
H	3.42	+0.02	Pass
I	1.48	+0.08	Pass
J	14.98	-0.02	Pass
K	16.27	+0.07	Pass
L	24.38	+0.08	Pass
-			
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Comments: Dimension G1 was passed since not critical.

De-burred	Pass	Tapped	N/A	Surface Finish	Pass
Drilled	Pass	Countersunk/bored	Pass	Mass	4.924 g
Drafting Standard : ISO 128:2020	Drawn by	Kasun Y	6/29/2022	Scale	2:1
All dimensions are in mm unless otherwise specified	Checked by	Kavindha R	6/30/2022		
	Validated by	Hiruna P	03/23/2023		
Tolerance +/- 0.1	Material	Aluminium	Machine ID	Sheet	2/2
AtlasLabs	Part Name	7_1_2_SiliconeGripperMountingMidBrace			Part ID 1



Drafting Standard : ISO 128:2020	Drawn by Kasun Y	Checked by Kavindha R	Validated by Hiruna P	Material ALUMINIUM	Machine ID 03/220/2023	Scale 2:1
All dimensions are in mm unless otherwise specified						
Tolerance +/-0.1						

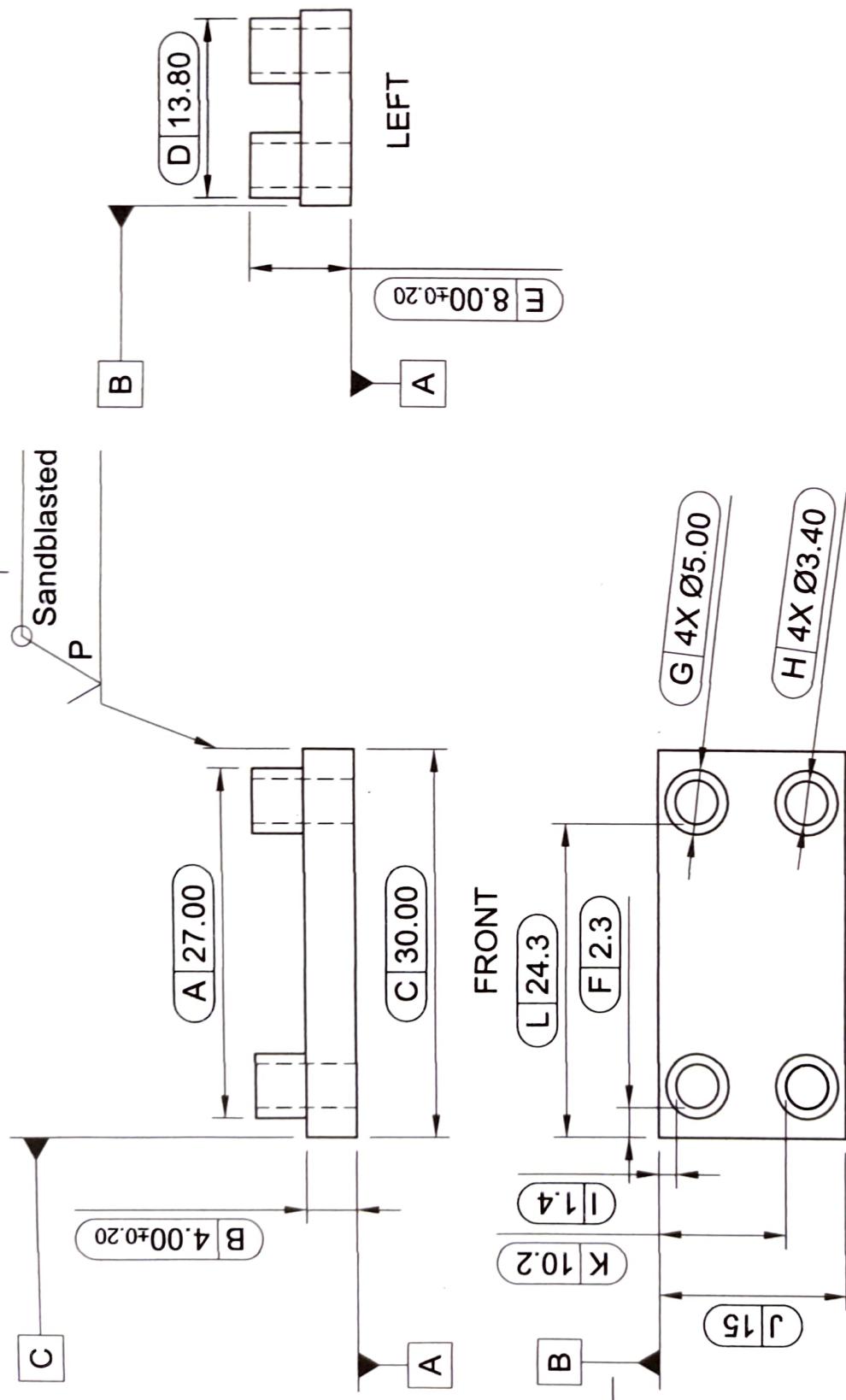
Part Name  
7\_1\_2\_SiliconeGripperMountingBottomBrace  
Part ID  
3



DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	26.95	-0.05	Pass.
B	4.05	+0.05	Pass.
C	30.04	+0.04	Pass.
D	13.81	+0.01	Pass.
E	8.02	+0.02	Pass.
F	2.37	+0.07	Pass.
G	6.05	+1.05	Pass.
H	3.31	-0.09	Pass.
I	1.49	+0.09	Pass.
J	14.96	-0.04	Pass.
K	10.26	+0.06	Pass.
L	24.38	+0.08	Pass.
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Comments: Dimension G1 was passed since not critical.

De-burred Pass	Tapped N/A	Surface Finish Pass
Drilled Pass	Countersunk/bored Pass.	Mass 4.924 g 4g
Drafting Standard : ISO 128:2020  All dimensions are in mm unless otherwise specified	Drawn by Kasun Y	6/29/2022
	Checked by Kavindha R	6/30/2022
	Validated by Hiranya P	03/23/2023
Tolerance +/- 0.1	Material Aluminium	Scale 2:1  Sheet 2/2
AtlasLabs	Part Name 7_1_2_SiliconeGripperMountingMidBrace	Part ID 3

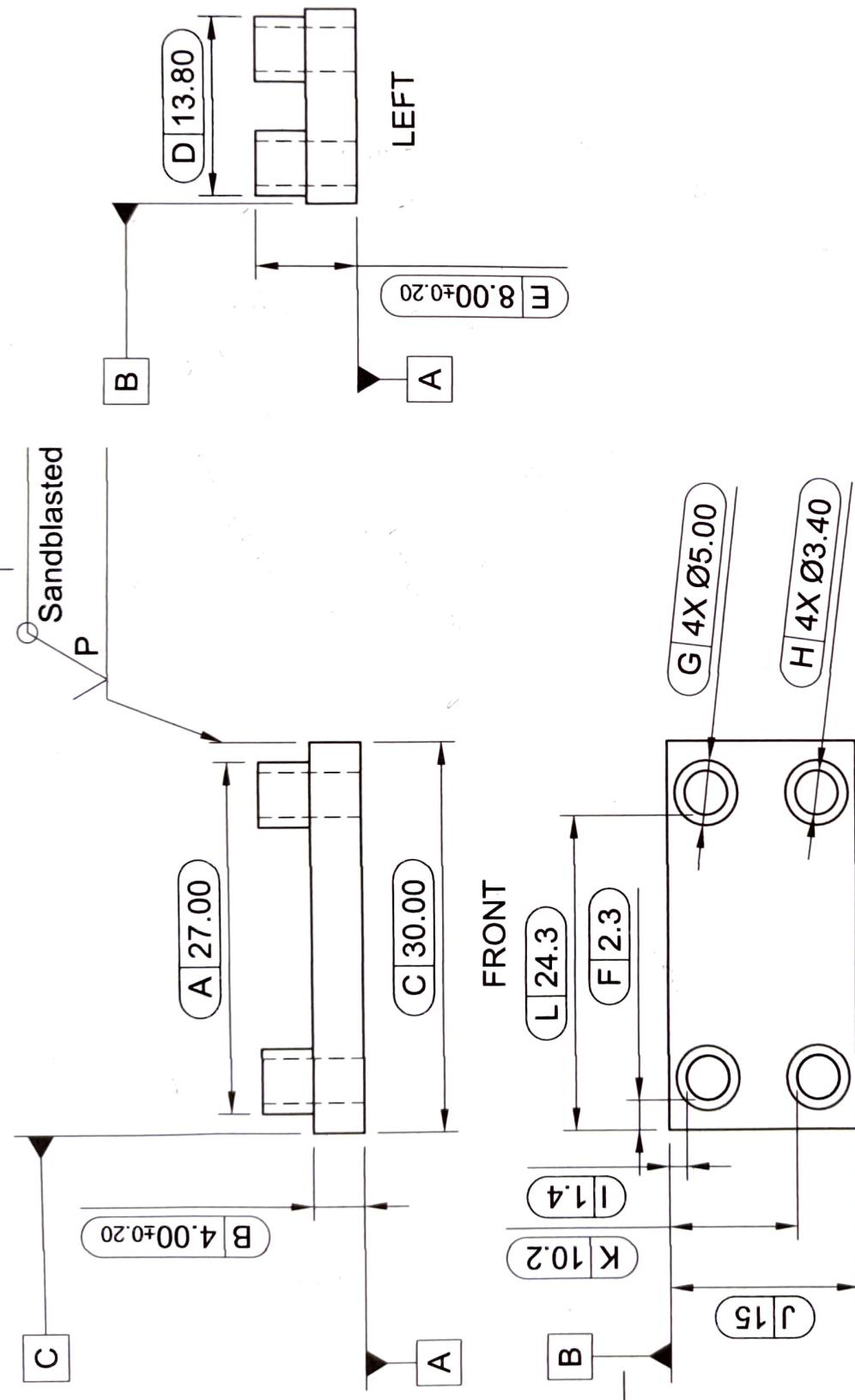


Drafting Standard : ISO 128:2020	Drawn by Kasun Y	Checked by Kavindha R	6/29/2022	Scale 2:1
All dimensions are in mm unless otherwise specified	Validated by A Iruq P	6/30/2022	03/23/2023	
Tolerance +/-0.1	Material ALUMINIUM	Machine ID	Sheet 1/2	
Attestation	Part Name 7_1_2_SiliconeGripperMountingBottomBrace	Part ID 2		

DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	27.00	+0.00	Pass
B	3.98	-0.02	Pass
C	30.05	+0.05	Pass
D	13.71	-0.09	Pass
E	7.91	-0.09	Pass
F	2.37	+0.07	Pass
G	5.75	+0.75	Pass
H	3.30	-0.10	Pass
I	1.43	+0.03	Pass
J	14.94	-0.06	Pass
K	10.20	+0.00	Pass
L	24.36	+0.06	Pass
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Comments: Dimension G1 was passed since not critical.

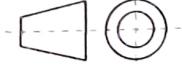
De-burred	Pass	Tapped	N/A	Surface Finish	Pass
Drilled	Pass	Countersunk/bored	Pass	Mass	4.924 g
Drafting Standard :	Drawn by	Kasun Y	6/29/2022	Scale	2:1
ISO 128:2020	Checked by	Kavindha R	6/30/2022		
All dimensions are in mm unless otherwise specified	Validated by	Hiruna P	03/23/2023		
Tolerance +/- 0.1	Material	Aluminium	Machine ID	Sheet	2/2
AtlasLabs	Part Name	7_1_2_SiliconeGripperMountingMidBrace	Part ID		

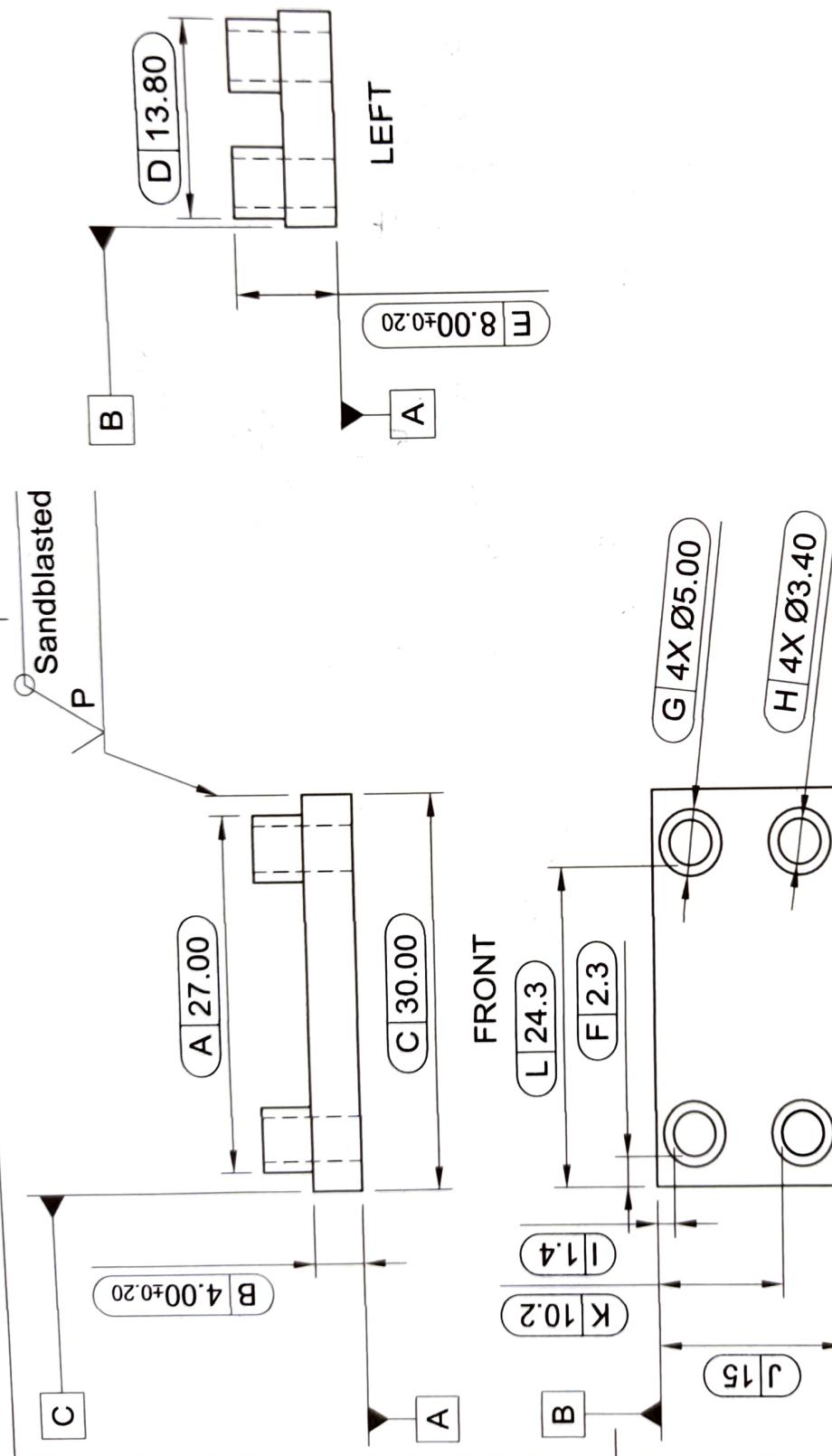


Drafting Standard : ISO 128:2020	Drawn by Kasun Y	6/29/2022	Scale 2:1
All dimensions are in mm unless otherwise specified	Checked by Kavindha R	6/30/2022	
	Validated by Akil A	21/12/2023	
Tolerance +/-0.1	Material ALUMINIUM	Machine ID	
<b>AttestLabs</b>	Part Name 7_1_2_SiliconeGripperMountingMidBrace	Sheet 1/2	Part ID 1

DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	27.00	+/- 0.00	PASS
B	3.98	-0.02	PASS
C	30.01	+0.01	PASS
D	13.81	+0.01	PASS
E	7.98	-0.02	PASS
F	2.33	+0.03	PASS
G	<del>43</del> 4.99	+0.03 -0.01	PASS
H	<del>47</del> 3.38	-0.02 <del>div</del>	PASS
I	<del>28</del> 1.43	+0.08 +0.03	PASS
J	16.98	-0.02	PASS
K	10.28	+0.08	PASS
L	24.30	+/- 0.00 <del>div</del>	PASS
-			
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Comments:

De-burred PASS	Tapped N/A	Surface Finish PASS
Drilled PASS	Countersunk/bored N/A	Mass 4.924 g 
Drafting Standard : ISO 128:2020	Drawn by Kasun Y	6/29/2022
All dimensions are in mm unless otherwise specified	Checked by Kavindha R	6/30/2022
Tolerance +/- 0.1	Validated by Phil A	21/2/2023
AtlasLabs	Material Aluminium	Scale 2:1 
	Part Name 7_1_2_SiliconeGripperMountingMidBrace	Sheet 2/2 Part ID 1



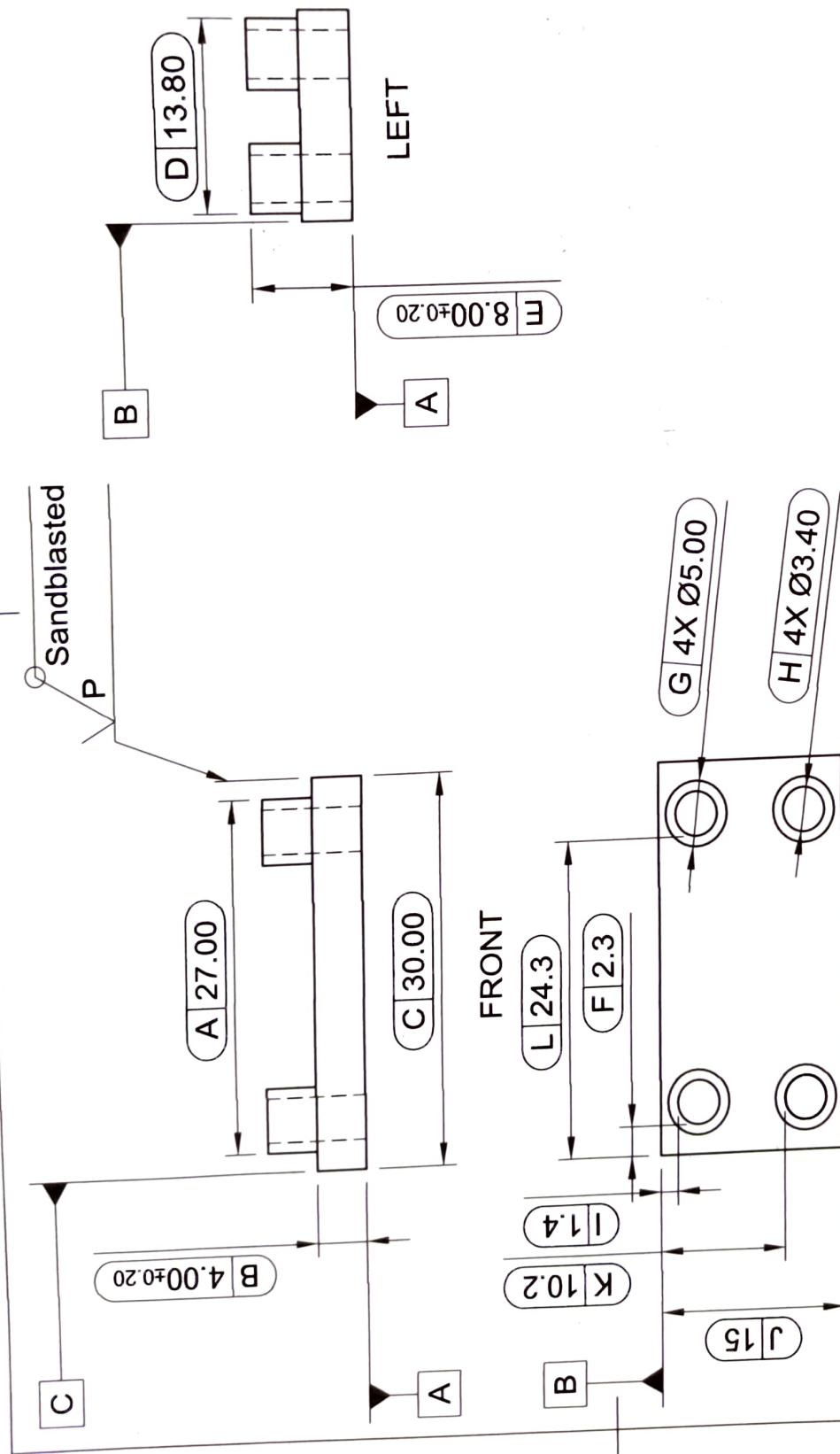
Drafting Standard : ISO 128:2020	Drawn by Kasun Y	Checked by Kavindha R	6/29/2022	Scale 2:1
All dimensions are in mm unless otherwise specified	Validated by	Print A	6/30/2022	
Tolerance +/0.1	Material	ALUMINIUM	Machine ID	2112120215
			Sheet	1/2
			Part ID	7_1_2_SiliconeGripperMountingMidBrace
			Part Name	7_1_2_SiliconeGripperMountingMidBrace



DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	27.00	+/- 0.00	PASS
B	4.07	+0.07	PASS
C	30.01	+0.01	PASS
D	13.79	-0.01	PASS
E	7.97	-0.03	PASS
F	2.35	+0.05	PASS
G	6.98	-0.02	PASS
H	3.36	-0.04 <del>mm</del>	PASS
I	1.40	+/- 0.00	PASS
J	14.98	-0.02	PASS
K	10.21	+0.01	PASS
L	24.35	+0.05 <del>mm</del>	PASS
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Comments:

De-burred	PASS	Tapped	N/A	Surface Finish	PASS
Drilled	PASS	Countersunk/bored	N/A	Mass	4.924 g
Drafting Standard :	ISO 128:2020	Drawn by	Kasun Y	6/29/2022	Scale 2:1
All dimensions are in mm unless otherwise specified		Checked by	Kavindha R	6/30/2022	
Tolerance	+/- 0.1	Validated by	Ahil A	21/12/2023	
AtlasLabs	Material	Aluminium	Machine ID	Sheet	2/2
	Part Name	7_1_2_SiliconeGripperMountingMidBrace	Part ID		2



Drafting Standard : ISO 128:2020	Drawn by Kasun Y	Checked by Kavindha R	Validated by Anil A	Machine ID 2112/2023	Scale 2:1
All dimensions are in mm unless otherwise specified					
Tolerance +/-0.1	Material ALUMINIUM				Sheet 1/2
					Part Name 7_1_2_SiliconeGripperMountingMidBrace
					Part ID 3

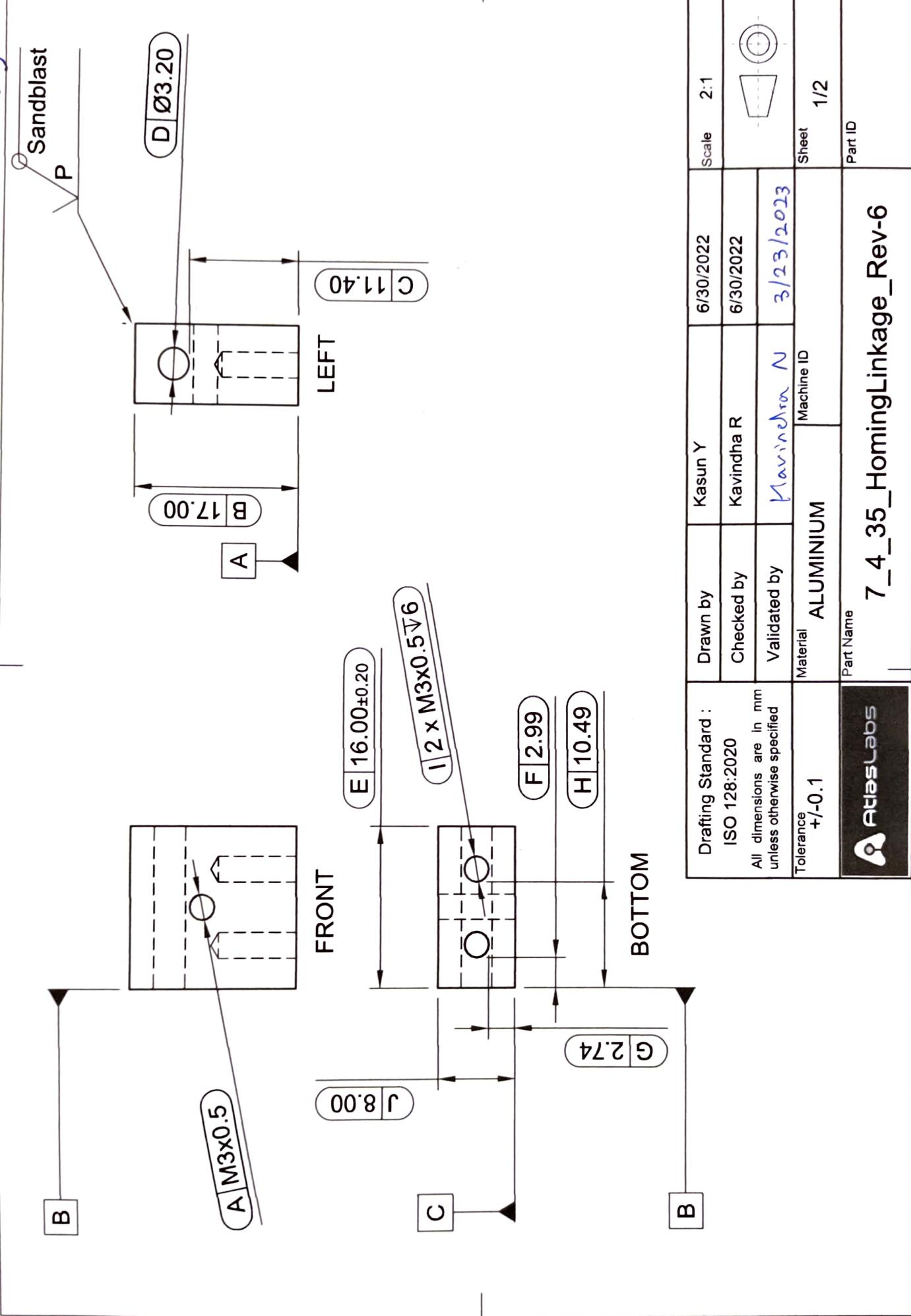


DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	27.00	+/- 0.00	PASS
B	3.99	-0.01	PASS
C	30.04	+0.04	PASS
D	13.81	+0.01	PASS
E	2.00	+/- 0.00	PASS
F	2.36	+0.06	PASS
G	4.99	-0.01	PASS
H	3.34	-0.06	PASS
I	1.37	-0.03	PASS
J	14.97	-0.03	PASS
K	10.16	-0.04	PASS
L	24.30	+/- 0.00	PASS
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Comments:

De-burred	PASS	Tapped	N/A	Surface Finish	PASS
Drilled	PASS	Countersunk/bored	N/A	Mass	4.924 g
Drafting Standard : ISO 128:2020	Drawn by	Kasun Y	6/29/2022	Scale	2:1
All dimensions are in mm unless otherwise specified	Checked by	Kavindha R	6/30/2022		
Tolerance +/- 0.1	Validated by	Ahil A	21/12/2023		
AtlasLabs	Material	Aluminium	Machine ID	Sheet	2/2
	Part Name	7_1_2_SiliconeGripperMountingMidBrace		Part ID	3

E3



DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	M3x0.5	N/A	Pass
B	17.02	+0.02	Pass
C	11.47	+0.07	Pass
D	3.10	+0.10	Pass
E	15.97	-0.03	Pass
F	2.99	-	Pass
G	2.77	+0.03	Pass
H	10.51	+0.02	Pass
I	2xM3x0.5	-	Pass
J	7.95	-0.05	Pass
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Comments:

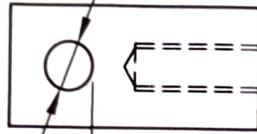
De-burred	Pass	Tapped	Pass	Surface Finish	Pass
Drilled	Pass	Countersunk/bored	N/A	Mass	6.852 g
Drafting Standard :	Drawn by	Kasun Y	6/30/2022	Scale	2:1
ISO 128:2020	Checked by	Kavindha R	6/30/2022		
All dimensions are in mm unless otherwise specified	Validated by	Kavindra N	3/23/2023		
Tolerance +/-0.1	Material	ALUMINIUM	Machine ID	Sheet	2/2
AtlasLabs	Part Name	7_4_35_HomingLinkage_Rev-6			Part ID

1

Sandblast  
P

A

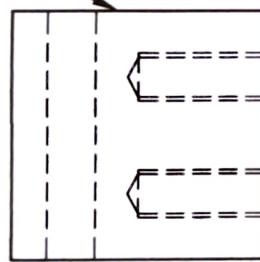
C 17.00



LEFT

D 11.40

B Ø3.20



FRONT

A 16.00 ±0.20

B

E 10.49

F 2.99

C

G 8.00

B

I 2.74

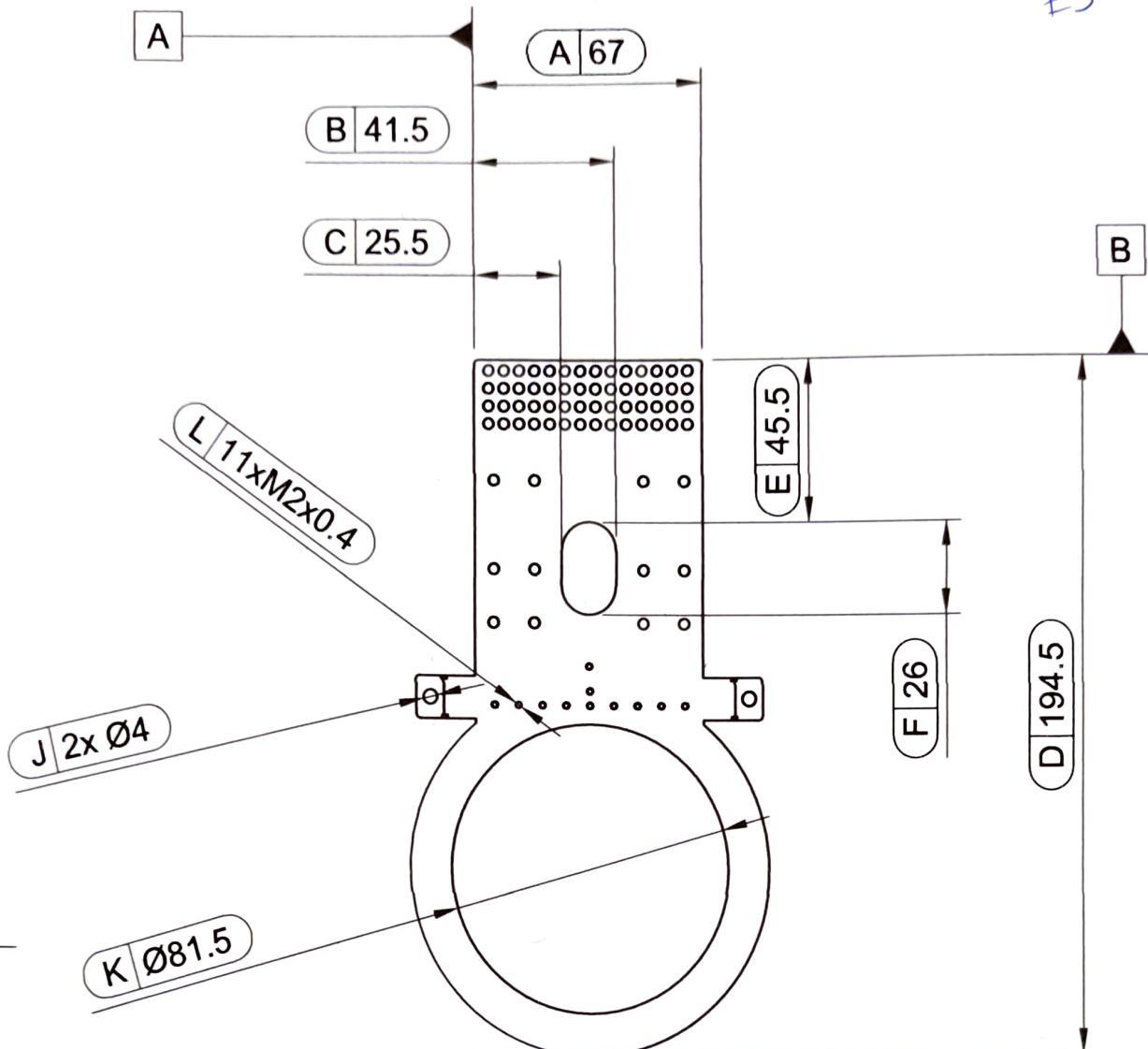
H 2x M3x0.5 V7.0

BOTTOM

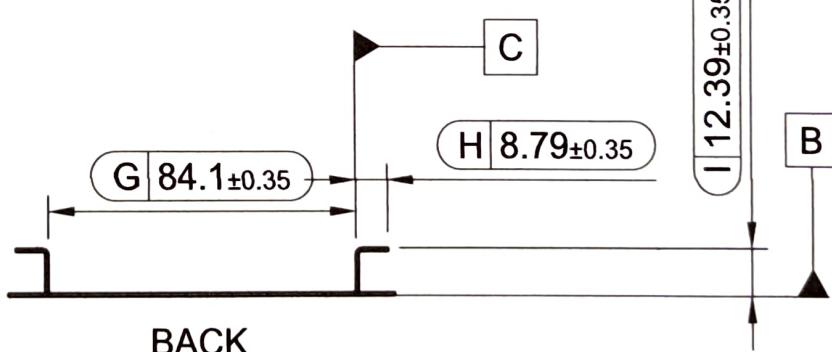
Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by Kasun Y	Checked by Kavindha R	6/30/2022	Scale 2:1
Tolerance +/-0.1	Material Aluminium	Validated by Nishanth H 3/23/2023	Machine ID	Sheet 1/2
				Part ID
				7_4_2_Linkage_Rev-6
				Autodesk

**Comments:**

De-burred	Pass	Tapped	Pass	Surface Finish	Pass
Drilled	Pass	Countersunk/bored	N/A	Mass	5.29 g
Drafting Standard : ISO 128:2020	Drawn by	Kasun Y	6/30/2022	Scale	2:1
All dimensions are in mm unless otherwise specified	Checked by	Kavindha R	6/30/2022		
	Validated by	Vishanthy H	3/23/2023		
Tolerance +/-0.1	Material	ALUMINIUM	Machine ID	Sheet	2/2
AtlasLabs	Part Name	7_4_2_Linkage_Rev-6		Part ID	



TOP



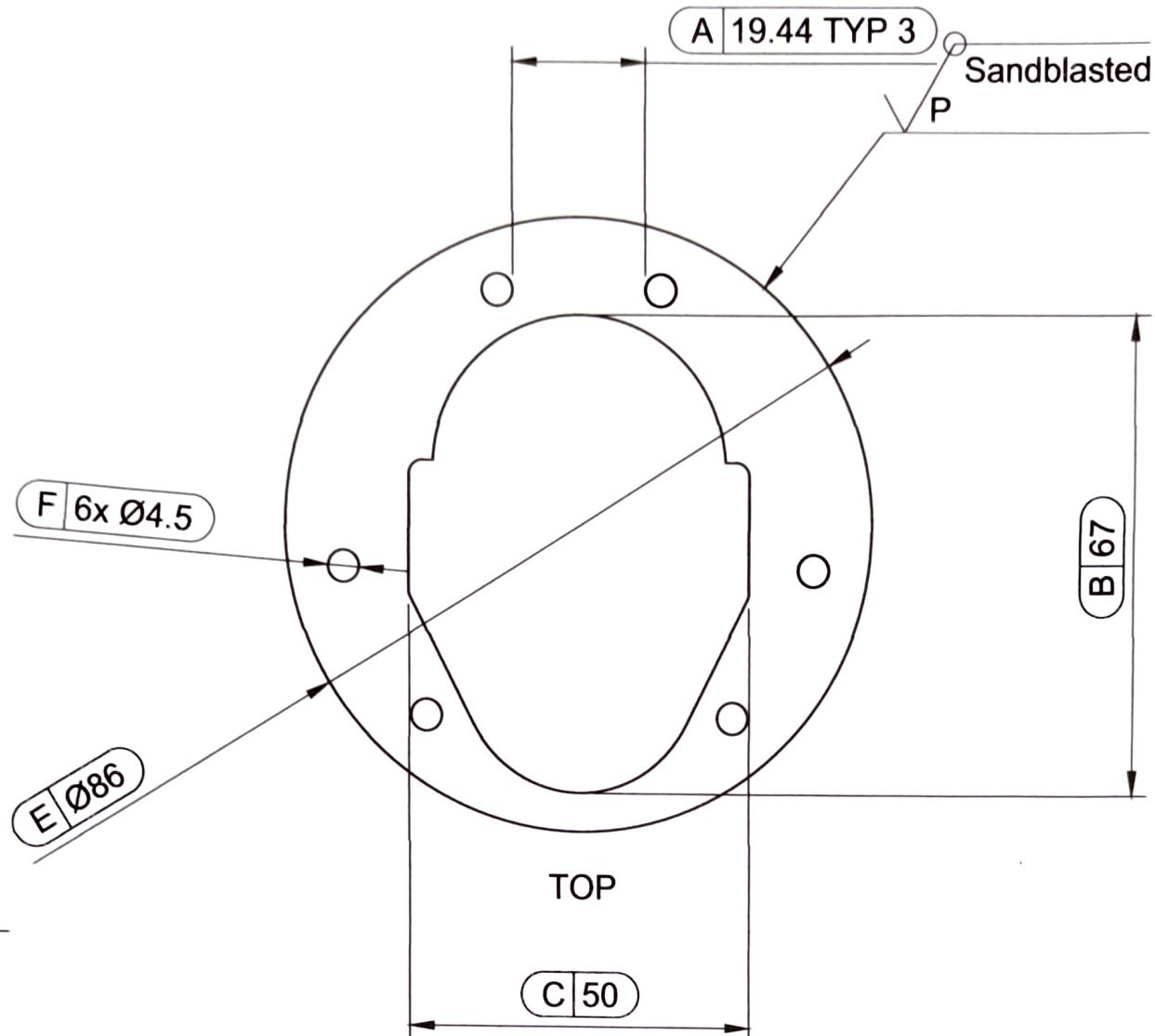
BACK

Drafting Standard : ISO 128:2020	Drawn by	Kavindha R	6/30/2022	Scale 1:2
All dimensions are in mm unless otherwise specified	Checked by	Kasun Y	7/29/2022	
	Validated by	Ahil A	22/3/2023	
Tolerance +/- 0.1	Material	Stainless Steel	Machine ID	Sheet 1/2
AtlasLabs	Part Name	7_2_4_Wireprotection		Part ID

DIMENSION	AS MEASURED	DEVIATION	PASS/FAIL
A	67.00	+/- 0.00	PASS
B	41.53	+ 0.13	PASS
C	25.43	- 0.07	PASS
D	194.45	- 0.05	PASS
E	45.40	- 0.10	PASS
F	26.26	+ 0.26	PASS
G	84.11	+ 0.01 <del>0.1</del>	PASS
H	8.89	+ 0.10	PASS
I	12.45	+ 0.06	PASS
J	4.10	+ 0.10	PASS
K	82.02	+ 0.07	PASS
L	M2x0.4	-	PASS
-			
-			
-			
-			
-			
-			
-			
-			
-			
-			

Comments: "Dimension <sup>EE</sup> F deviation out of tolerance but critical."

De-burred	PASS	Tapped	PASS	Surface Finish	PASS
Drilled	PASS	Countersunk/bored	N/A	Mass	60.147 g
Drafting Standard : ISO 128:2020	Drawn by	Kavindha R	6/30/2022	Scale	1:2
All dimensions are in mm unless otherwise specified	Checked by	Kasun Y	7/29/2022		
	Validated by	Ahil A	22/3/2023		
Tolerance +/- 0.1	Material	Stainless Steel	Machine ID	Sheet	2/2
AtlasLabs	Part Name	7_2_4_Wireprotection	Part ID		



A

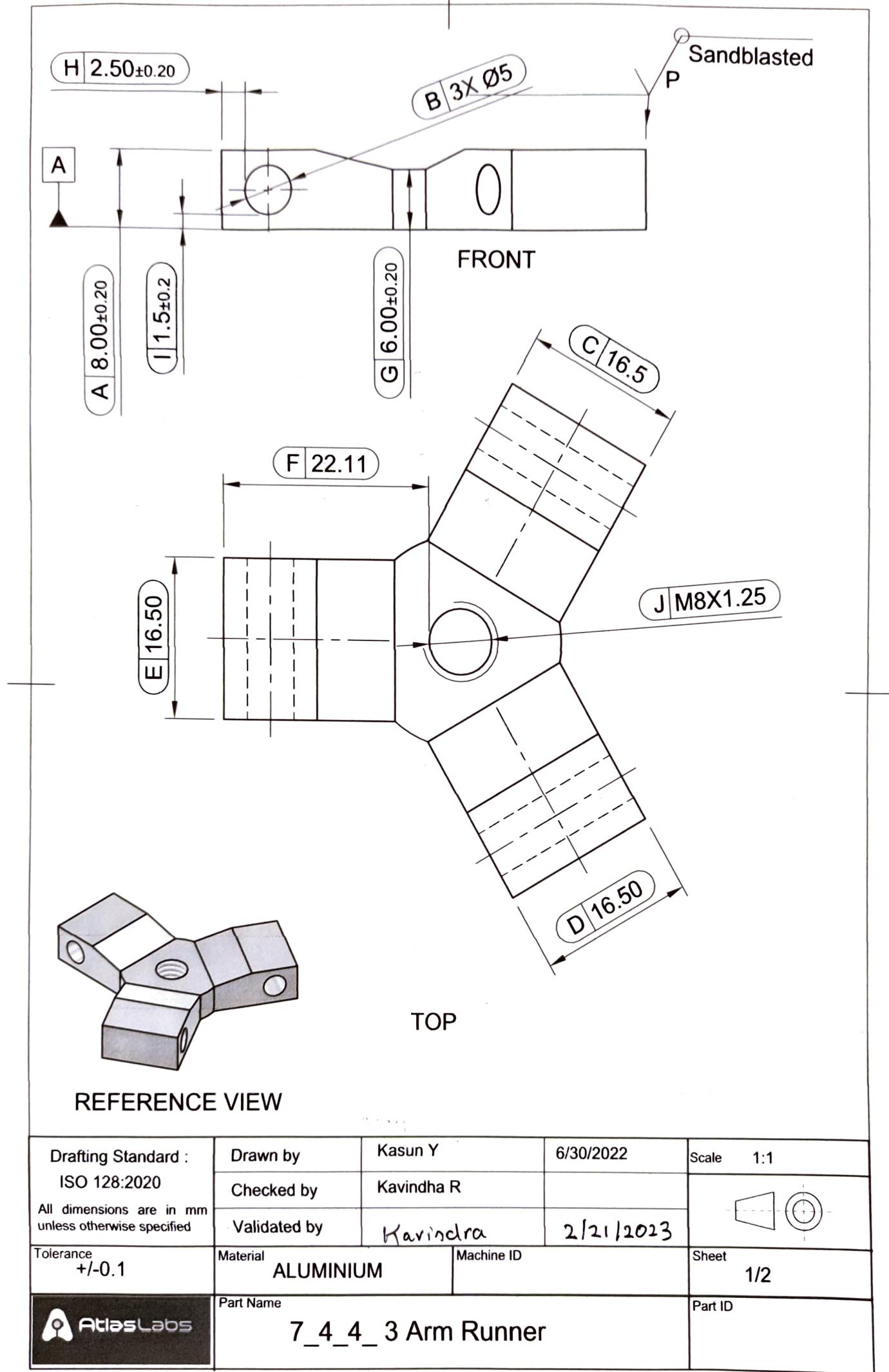
D 3

BACK

Drafting Standard : ISO 128:2020 All dimensions are in mm unless otherwise specified	Drawn by	Kavindha R	7/1/2022	Scale 1:1
	Checked by	Kasun Y	7/29/2022	
	Validated by	Hiranya P	03/20/2023	
Tolerance +/- 0.1	Material	Aluminium	Machine ID	Sheet 1/2
AtlasLabs	Part Name 7_8_1_ClawMountPlateV2_3mm			Part ID

**Comments:**

De-burred	Pass	Tapped	N/A	Surface Finish	Pass
Drilled	Pass	Countersunk/bored	N/A	Mass 25.461 g	25 g
Drafting Standard : ISO 128:2020	Drawn by	Kavindha R	7/1/2022	Scale	1:1
All dimensions are in mm unless otherwise specified	Checked by	Kasun Y	7/29/2022		
	Validated by	Kiruna P	03/10/2023		
Tolerance +/- 0.1	Material Aluminium	Machine ID		Sheet	2/2
AtlasLabs	Part Name 7_8_1_ClawMountPlateV2_3mm			Part ID	



**Comments:**

De-burred Pa 55		Tapped Pa 55		Surface Finish Pa 55	
Drilled Pa 55		Countersunk/bored N/A		Mass 19.265 g	19g
Drafting Standard : ISO 128:2020  All dimensions are in mm unless otherwise specified	Drawn by	Kasun Y	6/30/2022	Scale 1:1	
	Checked by	Kavindha R	6/30/2022		
	Validated by	Kavindra	2/21/2023		
Tolerance +/-0.1	Material ALUMINIUM	Machine ID		Sheet 2/2	
AtlasLabs	Part Name 7_4_4_3 Arm Runner		Part ID		